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NISTukThUnthPerSqrFtTOjoulePerSqrMeter . . . . .	874
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NISTwattPerMeterKtOukThUnITInchPerSecSqrFtDegF . . . . .	887
NISTwattPerMeterKtOukThUnthFtPerHourSqrFtDegF . . . . .	888
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NISTwattPerSqrMeterKtOukThUnITPerSecSqrFtDegF . . . . .	894
NISTwattPerSqrMeterKtOukThUnthPerHourSqrFtDegF . . . . .	895
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NISTwattPerSqrMeterTOergPerSqrCmSec . . . . .	899
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NISTwattPerSqrMeterTOukThUnthPerSqrFtMin . . . . .	903
NISTwattPerSqrMeterTOukThUnthPerSqrFtSec . . . . .	904
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NISTwattPerSqrMeterTOwattPerSqrCm . . . . .	906
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NISTwattTOcalthPerMin . . . . .	909
NISTwattTOcalthPerSec . . . . .	910
NISTwattTOergPerSec . . . . .	911
NISTwattTOftPoundForcePerHour . . . . .	912
NISTwattTOftPoundForcePerMin . . . . .	913
NISTwattTOftPoundForcePerSec . . . . .	914
NISTwattTOhorsepower . . . . .	915
NISTwattTOhorsepowerBoiler . . . . .	916
NISTwattTOhorsepowerElectric . . . . .	917
NISTwattTOhorsepowerImperial . . . . .	918
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CompactFactorNames	<i>compact the factor names to camelCase</i>
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**Description**

CompactFactorNames compacts the factor names from separate words to camel case

**Usage**

CompactFactorNames(s)

**Arguments**

s                    string with the factor names'

**Value**

string with names in camelCase

**Author(s)**

Jose Gama

**Examples**

CompactFactorNames('ton of refrigeration (12 000 BtuIT/h)')

---

CompactPhysicalConstantNames

*compact the physical constant names to camelCase*

---

**Description**

CompactPhysicalConstantNames compacts the physical constant names from separate words to camel case

**Usage**

CompactPhysicalConstantNames(s)

**Arguments**

s                    string with the physical constant names'

**Value**

string with names in camelCase

**Author(s)**

Jose Gama

**Examples**

CompactPhysicalConstantNames('ton of refrigeration (12 000 BtuIT/h)')

---

FixFactorNames	<i>Replaces unicode with ASCII in factor names</i>
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---

**Description**

FixFactorNames replaces unicode with ASCII in factor names

**Usage**

FixFactorNames(s)

**Arguments**

s                    string with the factor names'

**Value**

string with ASCII instead of unicode

**Author(s)**

Jose Gama

**Examples**

FixFactorNames('\u00e5ngstr\u00f6m')

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kNIST2010latticeSpacingOfSilicon	<i>NIST Physical Constants</i>
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**Description**

kNIST2010latticeSpacingOfSilicon lattice spacing of silicon

kNIST2010alphaParticleElectronMassRatio alpha particle-electron mass ratio

kNIST2010alphaParticleMass alpha particle mass

kNIST2010alphaParticleMassEnergyEquivalent alpha particle mass energy equivalent

kNIST2010alphaParticleMassEnergyEquivalentInMeV alpha particle mass energy equivalent in MeV

kNIST2010alphaParticleMassInU alpha particle mass in u

kNIST2010alphaParticleMolarMass alpha particle molar mass

kNIST2010alphaParticleProtonMassRatio alpha particle-proton mass ratio

kNIST2010AngstromStar Angstrom star

kNIST2010atomicMassConstant atomic mass constant  
kNIST2010atomicMassConstantEnergyEquivalent atomic mass constant energy equivalent  
kNIST2010atomicMassConstantEnergyEquivalentInMeV atomic mass constant energy equivalent in MeV  
kNIST2010atomicMassUnitElectronVoltRelationship atomic mass unit-electron volt relationship  
kNIST2010atomicMassUnitHartreeRelationship atomic mass unit-hartree relationship  
kNIST2010atomicMassUnitHertzRelationship atomic mass unit-hertz relationship  
kNIST2010atomicMassUnitInverseMeterRelationship atomic mass unit-inverse meter relationship  
kNIST2010atomicMassUnitJouleRelationship atomic mass unit-joule relationship  
kNIST2010atomicMassUnitKelvinRelationship atomic mass unit-kelvin relationship  
kNIST2010atomicMassUnitKilogramRelationship atomic mass unit-kilogram relationship  
kNIST2010atomicUnitOf1stHyperpolarizability atomic unit of 1st hyperpolarizability  
kNIST2010atomicUnitOf2ndHyperpolarizability atomic unit of 2nd hyperpolarizability  
kNIST2010atomicUnitOfAction atomic unit of action  
kNIST2010atomicUnitOfCharge atomic unit of charge  
kNIST2010atomicUnitOfChargeDensity atomic unit of charge density  
kNIST2010atomicUnitOfCurrent atomic unit of current  
kNIST2010atomicUnitOfElectricDipoleMom atomic unit of electric dipole mom.  
kNIST2010atomicUnitOfElectricField atomic unit of electric field  
kNIST2010atomicUnitOfElectricFieldGradient atomic unit of electric field gradient  
kNIST2010atomicUnitOfElectricPolarizability atomic unit of electric polarizability  
kNIST2010atomicUnitOfElectricPotential atomic unit of electric potential  
kNIST2010atomicUnitOfElectricQuadrupoleMom atomic unit of electric quadrupole mom.  
kNIST2010atomicUnitOfEnergy atomic unit of energy  
kNIST2010atomicUnitOfForce atomic unit of force  
kNIST2010atomicUnitOfLength atomic unit of length  
kNIST2010atomicUnitOfMagDipoleMom atomic unit of mag. dipole mom.  
kNIST2010atomicUnitOfMagFluxDensity atomic unit of mag. flux density  
kNIST2010atomicUnitOfMagnetizability atomic unit of magnetizability  
kNIST2010atomicUnitOfMass atomic unit of mass  
kNIST2010atomicUnitOfMomUm atomic unit of mom.um  
kNIST2010atomicUnitOfPermittivity atomic unit of permittivity  
kNIST2010atomicUnitOfTime atomic unit of time  
kNIST2010atomicUnitOfVelocity atomic unit of velocity  
kNIST2010AvogadroConstant Avogadro constant

kNIST2010BohrMagneton Bohr magneton  
 kNIST2010BohrMagnetonInEVT Bohr magneton in eV/T  
 kNIST2010BohrMagnetonInHzT Bohr magneton in Hz/T  
 kNIST2010BohrMagnetonInInverseMetersPerTesla Bohr magneton in inverse meters per tesla  
 kNIST2010BohrMagnetonInKT Bohr magneton in K/T  
 kNIST2010BohrRadius Bohr radius  
 kNIST2010BoltzmannConstant Boltzmann constant  
 kNIST2010BoltzmannConstantInEVK Boltzmann constant in eV/K  
 kNIST2010BoltzmannConstantInHzK Boltzmann constant in Hz/K  
 kNIST2010BoltzmannConstantInInverseMetersPerKelvin Boltzmann constant in inverse meters per kelvin  
 kNIST2010characteristicImpedanceOfVacuum characteristic impedance of vacuum  
 kNIST2010classicalElectronRadius classical electron radius  
 kNIST2010ComptonWavelength Compton wavelength  
 kNIST2010ComptonWavelengthOver2Pi Compton wavelength over 2 pi  
 kNIST2010conductanceQuantum conductance quantum  
 kNIST2010conventionalValueOfJosephsonConstant conventional value of Josephson constant  
 kNIST2010conventionalValueOfVonKlitzingConstant conventional value of von Klitzing constant  
 kNIST2010CuXUnit Cu x unit  
 kNIST2010deuteronElectronMagMomRatio deuteron-electron mag. mom. ratio  
 kNIST2010deuteronElectronMassRatio deuteron-electron mass ratio  
 kNIST2010deuteronGFactor deuteron g factor  
 kNIST2010deuteronMagMom deuteron mag. mom.  
 kNIST2010deuteronMagMomToBohrMagnetonRatio deuteron mag. mom. to Bohr magneton ratio  
 kNIST2010deuteronMagMomToNuclearMagnetonRatio deuteron mag. mom. to nuclear magneton ratio  
 kNIST2010deuteronMass deuteron mass  
 kNIST2010deuteronMassEnergyEquivalent deuteron mass energy equivalent  
 kNIST2010deuteronMassEnergyEquivalentInMeV deuteron mass energy equivalent in MeV  
 kNIST2010deuteronMassInU deuteron mass in u  
 kNIST2010deuteronMolarMass deuteron molar mass  
 kNIST2010deuteronNeutronMagMomRatio deuteron-neutron mag. mom. ratio  
 kNIST2010deuteronProtonMagMomRatio deuteron-proton mag. mom. ratio  
 kNIST2010deuteronProtonMassRatio deuteron-proton mass ratio  
 kNIST2010deuteronRmsChargeRadius deuteron rms charge radius  
 kNIST2010electricConstant electric constant



KNIST2010electronChargeToMassQuotient electron charge to mass quotient  
KNIST2010electronDeuteronMagMomRatio electron-deuteron mag. mom. ratio  
KNIST2010electronDeuteronMassRatio electron-deuteron mass ratio  
KNIST2010electronGFactor electron g factor  
KNIST2010electronGyromagRatio electron gyromag. ratio  
KNIST2010electronGyromagRatioOver2Pi electron gyromag. ratio over 2 pi  
KNIST2010electronHelionMassRatio electron-helion mass ratio  
KNIST2010electronMagMom electron mag. mom.  
KNIST2010electronMagMomAnomaly electron mag. mom. anomaly  
KNIST2010electronMagMomToBohrMagnetronRatio electron mag. mom. to Bohr magneton ratio  
KNIST2010electronMagMomToNuclearMagnetronRatio electron mag. mom. to nuclear magneton ratio  
KNIST2010electronMass electron mass  
KNIST2010electronMassEnergyEquivalent electron mass energy equivalent  
KNIST2010electronMassEnergyEquivalentInMeV electron mass energy equivalent in MeV  
KNIST2010electronMassInU electron mass in u  
KNIST2010electronMolarMass electron molar mass  
KNIST2010electronMuonMagMomRatio electron-muon mag. mom. ratio  
KNIST2010electronMuonMassRatio electron-muon mass ratio  
KNIST2010electronNeutronMagMomRatio electron-neutron mag. mom. ratio  
KNIST2010electronNeutronMassRatio electron-neutron mass ratio  
KNIST2010electronProtonMagMomRatio electron-proton mag. mom. ratio  
KNIST2010electronProtonMassRatio electron-proton mass ratio  
KNIST2010electronTauMassRatio electron-tau mass ratio  
KNIST2010electronToAlphaParticleMassRatio electron to alpha particle mass ratio  
KNIST2010electronToShieldedHelionMagMomRatio electron to shielded helion mag. mom. ratio  
KNIST2010electronToShieldedProtonMagMomRatio electron to shielded proton mag. mom. ratio  
KNIST2010electronTritonMassRatio electron-triton mass ratio  
KNIST2010electronVolt electron volt  
KNIST2010electronVoltAtomicMassUnitRelationship electron volt-atomic mass unit relationship  
KNIST2010electronVoltHartreeRelationship electron volt-hartree relationship  
KNIST2010electronVoltHertzRelationship electron volt-hertz relationship  
KNIST2010electronVoltInverseMeterRelationship electron volt-inverse meter relationship  
KNIST2010electronVoltJouleRelationship electron volt-joule relationship  
KNIST2010electronVoltKelvinRelationship electron volt-kelvin relationship

kNIST2010electronVoltKilogramRelationship electron volt-kilogram relationship  
kNIST2010elementaryCharge elementary charge  
kNIST2010elementaryChargeOverH elementary charge over h  
kNIST2010FaradayConstant Faraday constant  
kNIST2010FaradayConstantForConventionalElectricCurrent Faraday constant for conventional electric current  
kNIST2010FermiCouplingConstant Fermi coupling constant  
kNIST2010fineStructureConstant fine-structure constant  
kNIST2010firstRadiationConstant first radiation constant  
kNIST2010firstRadiationConstantForSpectralRadiance first radiation constant for spectral radiance  
kNIST2010hartreeAtomicMassUnitRelationship hartree-atomic mass unit relationship  
kNIST2010hartreeElectronVoltRelationship hartree-electron volt relationship  
kNIST2010HartreeEnergy Hartree energy  
kNIST2010HartreeEnergyInEV Hartree energy in eV  
kNIST2010hartreeHertzRelationship hartree-hertz relationship  
kNIST2010hartreeInverseMeterRelationship hartree-inverse meter relationship  
kNIST2010hartreeJouleRelationship hartree-joule relationship  
kNIST2010hartreeKelvinRelationship hartree-kelvin relationship  
kNIST2010hartreeKilogramRelationship hartree-kilogram relationship  
kNIST2010helionElectronMassRatio helion-electron mass ratio  
kNIST2010helionGFactor helion g factor  
kNIST2010helionMagMom helion mag. mom.  
kNIST2010helionMagMomToBohrMagnetonRatio helion mag. mom. to Bohr magneton ratio  
kNIST2010helionMagMomToNuclearMagnetonRatio helion mag. mom. to nuclear magneton ratio  
kNIST2010helionMass helion mass  
kNIST2010helionMassEnergyEquivalent helion mass energy equivalent  
kNIST2010helionMassEnergyEquivalentInMeV helion mass energy equivalent in MeV  
kNIST2010helionMassInU helion mass in u  
kNIST2010helionMolarMass helion molar mass  
kNIST2010helionProtonMassRatio helion-proton mass ratio  
kNIST2010hertzAtomicMassUnitRelationship hertz-atomic mass unit relationship  
kNIST2010hertzElectronVoltRelationship hertz-electron volt relationship  
kNIST2010hertzHartreeRelationship hertz-hartree relationship  
kNIST2010hertzInverseMeterRelationship hertz-inverse meter relationship  
kNIST2010hertzJouleRelationship hertz-joule relationship  
kNIST2010hertzKelvinRelationship hertz-kelvin relationship

kNIST2010hertzKilogramRelationship hertz-kilogram relationship  
kNIST2010inverseFineStructureConstant inverse fine-structure constant  
kNIST2010inverseMeterAtomicMassUnitRelationship inverse meter-atomic mass unit relationship  
kNIST2010inverseMeterElectronVoltRelationship inverse meter-electron volt relationship  
kNIST2010inverseMeterHartreeRelationship inverse meter-hartree relationship  
kNIST2010inverseMeterHertzRelationship inverse meter-hertz relationship  
kNIST2010inverseMeterJouleRelationship inverse meter-joule relationship  
kNIST2010inverseMeterKelvinRelationship inverse meter-kelvin relationship  
kNIST2010inverseMeterKilogramRelationship inverse meter-kilogram relationship  
kNIST2010inverseOfConductanceQuantum inverse of conductance quantum  
kNIST2010JosephsonConstant Josephson constant  
kNIST2010jouleAtomicMassUnitRelationship joule-atomic mass unit relationship  
kNIST2010jouleElectronVoltRelationship joule-electron volt relationship  
kNIST2010jouleHartreeRelationship joule-hartree relationship  
kNIST2010jouleHertzRelationship joule-hertz relationship  
kNIST2010jouleInverseMeterRelationship joule-inverse meter relationship  
kNIST2010jouleKelvinRelationship joule-kelvin relationship  
kNIST2010jouleKilogramRelationship joule-kilogram relationship  
kNIST2010kelvinAtomicMassUnitRelationship kelvin-atomic mass unit relationship  
kNIST2010kelvinElectronVoltRelationship kelvin-electron volt relationship  
kNIST2010kelvinHartreeRelationship kelvin-hartree relationship  
kNIST2010kelvinHertzRelationship kelvin-hertz relationship  
kNIST2010kelvinInverseMeterRelationship kelvin-inverse meter relationship  
kNIST2010kelvinJouleRelationship kelvin-joule relationship  
kNIST2010kelvinKilogramRelationship kelvin-kilogram relationship  
kNIST2010kilogramAtomicMassUnitRelationship kilogram-atomic mass unit relationship  
kNIST2010kilogramElectronVoltRelationship kilogram-electron volt relationship  
kNIST2010kilogramHartreeRelationship kilogram-hartree relationship  
kNIST2010kilogramHertzRelationship kilogram-hertz relationship  
kNIST2010kilogramInverseMeterRelationship kilogram-inverse meter relationship  
kNIST2010kilogramJouleRelationship kilogram-joule relationship  
kNIST2010kilogramKelvinRelationship kilogram-kelvin relationship  
kNIST2010latticeParameterOfSilicon lattice parameter of silicon  
kNIST2010LoschmidtConstant Loschmidt constant (273.15 K, 100 kPa)  
kNIST2010LoschmidtConstant Loschmidt constant (273.15 K, 101.325 kPa)  
kNIST2010magConstant mag. constant

kNIST2010magFluxQuantum mag. flux quantum  
 kNIST2010molarGasConstant molar gas constant  
 kNIST2010molarMassConstant molar mass constant  
 kNIST2010molarMassOfCarbon12 molar mass of carbon-12  
 kNIST2010molarPlanckConstant molar Planck constant  
 kNIST2010molarPlanckConstantTimesC molar Planck constant times c  
 kNIST2010molarVolumeOfIdealGas molar volume of ideal gas (273.15 K, 100 kPa)  
 kNIST2010molarVolumeOfIdealGas molar volume of ideal gas (273.15 K, 101.325 kPa)  
 kNIST2010molarVolumeOfSilicon molar volume of silicon  
 kNIST2010MoXUnit Mo x unit  
 kNIST2010muonComptonWavelength muon Compton wavelength  
 kNIST2010muonComptonWavelengthOver2Pi muon Compton wavelength over 2 pi  
 kNIST2010muonElectronMassRatio muon-electron mass ratio  
 kNIST2010muonGFactor muon g factor  
 kNIST2010muonMagMom muon mag. mom.  
 kNIST2010muonMagMomAnomaly muon mag. mom. anomaly  
 kNIST2010muonMagMomToBohrMagnetronRatio muon mag. mom. to Bohr magneton ratio  
 kNIST2010muonMagMomToNuclearMagnetronRatio muon mag. mom. to nuclear magneton ratio  
 kNIST2010muonMass muon mass  
 kNIST2010muonMassEnergyEquivalent muon mass energy equivalent  
 kNIST2010muonMassEnergyEquivalentInMeV muon mass energy equivalent in MeV  
 kNIST2010muonMassInU muon mass in u  
 kNIST2010muonMolarMass muon molar mass  
 kNIST2010muonNeutronMassRatio muon-neutron mass ratio  
 kNIST2010muonProtonMagMomRatio muon-proton mag. mom. ratio  
 kNIST2010muonProtonMassRatio muon-proton mass ratio  
 kNIST2010muonTauMassRatio muon-tau mass ratio  
 kNIST2010naturalUnitOfAction natural unit of action  
 kNIST2010naturalUnitOfActionInEVS natural unit of action in eV s  
 kNIST2010naturalUnitOfEnergy natural unit of energy  
 kNIST2010naturalUnitOfEnergyInMeV natural unit of energy in MeV  
 kNIST2010naturalUnitOfLength natural unit of length  
 kNIST2010naturalUnitOfMass natural unit of mass  
 kNIST2010naturalUnitOfMomUm natural unit of mom.um  
 kNIST2010naturalUnitOfMomUmInMeVc natural unit of mom.um in MeV/c  
 kNIST2010naturalUnitOfTime natural unit of time  
 kNIST2010naturalUnitOfVelocity natural unit of velocity

KNIST2010neutronComptonWavelength neutron Compton wavelength  
KNIST2010neutronComptonWavelengthOver2Pi neutron Compton wavelength over 2 pi  
KNIST2010neutronElectronMagMomRatio neutron-electron mag. mom. ratio  
KNIST2010neutronElectronMassRatio neutron-electron mass ratio  
KNIST2010neutronGFactor neutron g factor  
KNIST2010neutronGyromagRatio neutron gyromag. ratio  
KNIST2010neutronGyromagRatioOver2Pi neutron gyromag. ratio over 2 pi  
KNIST2010neutronMagMom neutron mag. mom.  
KNIST2010neutronMagMomToBohrMagnetonRatio neutron mag. mom. to Bohr magneton ratio  
KNIST2010neutronMagMomToNuclearMagnetonRatio neutron mag. mom. to nuclear magneton ratio  
KNIST2010neutronMass neutron mass  
KNIST2010neutronMassEnergyEquivalent neutron mass energy equivalent  
KNIST2010neutronMassEnergyEquivalentInMeV neutron mass energy equivalent in MeV  
KNIST2010neutronMassInU neutron mass in u  
KNIST2010neutronMolarMass neutron molar mass  
KNIST2010neutronMuonMassRatio neutron-muon mass ratio  
KNIST2010neutronProtonMagMomRatio neutron-proton mag. mom. ratio  
KNIST2010neutronProtonMassDifference neutron-proton mass difference  
KNIST2010neutronProtonMassDifferenceEnergyEquivalent neutron-proton mass difference energy equivalent  
KNIST2010neutronProtonMassDifferenceEnergyEquivalentInMeV neutron-proton mass difference energy equivalent in MeV  
KNIST2010neutronProtonMassDifferenceInU neutron-proton mass difference in u  
KNIST2010neutronProtonMassRatio neutron-proton mass ratio  
KNIST2010neutronTauMassRatio neutron-tau mass ratio  
KNIST2010neutronToShieldedProtonMagMomRatio neutron to shielded proton mag. mom. ratio  
KNIST2010NewtonianConstantOfGravitation Newtonian constant of gravitation  
KNIST2010NewtonianConstantOfGravitationOverHBarC Newtonian constant of gravitation over h-bar c  
KNIST2010nuclearMagneton nuclear magneton  
KNIST2010nuclearMagnetonInEVT nuclear magneton in eV/T  
KNIST2010nuclearMagnetonInInverseMetersPerTesla nuclear magneton in inverse meters per tesla  
KNIST2010nuclearMagnetonInKT nuclear magneton in K/T  
KNIST2010nuclearMagnetonInMHzT nuclear magneton in MHz/T  
KNIST2010PlanckConstant Planck constant  
KNIST2010PlanckConstantInEVS Planck constant in eV s

kNIST2010PlanckConstantOver2Pi Planck constant over 2 pi  
 kNIST2010PlanckConstantOver2PiInEVS Planck constant over 2 pi in eV s  
 kNIST2010PlanckConstantOver2PiTimesCInMeVfm Planck constant over 2 pi times c in MeV fm  
 kNIST2010PlanckLength Planck length  
 kNIST2010PlanckMass Planck mass  
 kNIST2010PlanckMassEnergyEquivalentInGeV Planck mass energy equivalent in GeV  
 kNIST2010PlanckTemperature Planck temperature  
 kNIST2010PlanckTime Planck time  
 kNIST2010protonChargeToMassQuotient proton charge to mass quotient  
 kNIST2010protonComptonWavelength proton Compton wavelength  
 kNIST2010protonComptonWavelengthOver2Pi proton Compton wavelength over 2 pi  
 kNIST2010protonElectronMassRatio proton-electron mass ratio  
 kNIST2010protonGFactor proton g factor  
 kNIST2010protonGyromagRatio proton gyromag. ratio  
 kNIST2010protonGyromagRatioOver2Pi proton gyromag. ratio over 2 pi  
 kNIST2010protonMagMom proton mag. mom.  
 kNIST2010protonMagMomToBohrMagnetronRatio proton mag. mom. to Bohr magneton ratio  
 kNIST2010protonMagMomToNuclearMagnetronRatio proton mag. mom. to nuclear magneton ratio  
 kNIST2010protonMagShieldingCorrection proton mag. shielding correction  
 kNIST2010protonMass proton mass  
 kNIST2010protonMassEnergyEquivalent proton mass energy equivalent  
 kNIST2010protonMassEnergyEquivalentInMeV proton mass energy equivalent in MeV  
 kNIST2010protonMassInU proton mass in u  
 kNIST2010protonMolarMass proton molar mass  
 kNIST2010protonMuonMassRatio proton-muon mass ratio  
 kNIST2010protonNeutronMagMomRatio proton-neutron mag. mom. ratio  
 kNIST2010protonNeutronMassRatio proton-neutron mass ratio  
 kNIST2010protonRmsChargeRadius proton rms charge radius  
 kNIST2010protonTauMassRatio proton-tau mass ratio  
 kNIST2010quantumOfCirculation quantum of circulation  
 kNIST2010quantumOfCirculationTimes2 quantum of circulation times 2  
 kNIST2010RydbergConstant Rydberg constant  
 kNIST2010RydbergConstantTimesCInHz Rydberg constant times c in Hz  
 kNIST2010RydbergConstantTimesHcInEV Rydberg constant times hc in eV  
 kNIST2010RydbergConstantTimesHcInJ Rydberg constant times hc in J  
 kNIST2010SackurTetrodeConstant Sackur-Tetrode constant (1 K, 100 kPa)  
 kNIST2010SackurTetrodeConstant Sackur-Tetrode constant (1 K, 101.325 kPa)

kNIST2010secondRadiationConstant second radiation constant  
kNIST2010shieldedHelionGyromagRatio shielded helion gyromag. ratio  
kNIST2010shieldedHelionGyromagRatioOver2Pi shielded helion gyromag. ratio over 2 pi  
kNIST2010shieldedHelionMagMom shielded helion mag. mom.  
kNIST2010shieldedHelionMagMomToBohrMagnetronRatio shielded helion mag. mom. to Bohr magneton ratio  
kNIST2010shieldedHelionMagMomToNuclearMagnetronRatio shielded helion mag. mom. to nuclear magneton ratio  
kNIST2010shieldedHelionToProtonMagMomRatio shielded helion to proton mag. mom. ratio  
kNIST2010shieldedHelionToShieldedProtonMagMomRatio shielded helion to shielded proton mag. mom. ratio  
kNIST2010shieldedProtonGyromagRatio shielded proton gyromag. ratio  
kNIST2010shieldedProtonGyromagRatioOver2Pi shielded proton gyromag. ratio over 2 pi  
kNIST2010shieldedProtonMagMom shielded proton mag. mom.  
kNIST2010shieldedProtonMagMomToBohrMagnetronRatio shielded proton mag. mom. to Bohr magneton ratio  
kNIST2010shieldedProtonMagMomToNuclearMagnetronRatio shielded proton mag. mom. to nuclear magneton ratio  
kNIST2010speedOfLightInVacuum speed of light in vacuum  
kNIST2010standardAccelerationOfGravity standard acceleration of gravity  
kNIST2010standardAtmosphere standard atmosphere  
kNIST2010standardStatePressure standard-state pressure  
kNIST2010StefanBoltzmannConstant Stefan-Boltzmann constant  
kNIST2010tauComptonWavelength tau Compton wavelength  
kNIST2010tauComptonWavelengthOver2Pi tau Compton wavelength over 2 pi  
kNIST2010tauElectronMassRatio tau-electron mass ratio  
kNIST2010tauMass tau mass  
kNIST2010tauMassEnergyEquivalent tau mass energy equivalent  
kNIST2010tauMassEnergyEquivalentInMeV tau mass energy equivalent in MeV  
kNIST2010tauMassInU tau mass in u  
kNIST2010tauMolarMass tau molar mass  
kNIST2010tauMuonMassRatio tau-muon mass ratio  
kNIST2010tauNeutronMassRatio tau-neutron mass ratio  
kNIST2010tauProtonMassRatio tau-proton mass ratio  
kNIST2010ThomsonCrossSection Thomson cross section  
kNIST2010tritonElectronMassRatio triton-electron mass ratio  
kNIST2010tritonGFactor triton g factor  
kNIST2010tritonMagMom triton mag. mom.

kNIST2010tritonMagMomToBohrMagnetonRatio triton mag. mom. to Bohr magneton ratio  
 kNIST2010tritonMagMomToNuclearMagnetonRatio triton mag. mom. to nuclear magneton ratio  
 kNIST2010tritonMass triton mass  
 kNIST2010tritonMassEnergyEquivalent triton mass energy equivalent  
 kNIST2010tritonMassEnergyEquivalentInMeV triton mass energy equivalent in MeV  
 kNIST2010tritonMassInU triton mass in u  
 kNIST2010tritonMolarMass triton molar mass  
 kNIST2010tritonProtonMassRatio triton-proton mass ratio  
 kNIST2010unifiedAtomicMassUnit unified atomic mass unit  
 kNIST2010vonKlitzingConstant von Klitzing constant  
 kNIST2010weakMixingAngle weak mixing angle  
 kNIST2010WienFrequencyDisplacementLawConstant Wien frequency displacement law constant  
 kNIST2010WienWavelengthDisplacementLawConstant Wien wavelength displacement law constant

**Usage**

kNIST2010latticeSpacingOfSilicon

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

```
## Not run: print(kNIST2010latticeSpacingOfSilicon)
```



---

kNISTnonSIatomicUnitOf1stHyperpolarizability  
*NIST Physical Constants*

---

**Description**

kNISTnonSIatomicUnitOf1stHyperpolarizability atomic unit of 1st hyperpolarizability  
 kNISTnonSIatomicUnitOf2ndHyperpolarizability atomic unit of 2nd hyperpolarizability  
 kNISTnonSIatomicUnitOfAction atomic unit of action  
 kNISTnonSIatomicUnitOfCharge atomic unit of charge  
 kNISTnonSIatomicUnitOfChargeDensity atomic unit of charge density  
 kNISTnonSIatomicUnitOfCurrent atomic unit of current  
 kNISTnonSIatomicUnitOfElectricDipoleMoment atomic unit of electric dipole moment  
 kNISTnonSIatomicUnitOfElectricField atomic unit of electric field  
 kNISTnonSIatomicUnitOfElectricFieldGradient atomic unit of electric field gradient  
 kNISTnonSIatomicUnitOfElectricPolarizability atomic unit of electric polarizability  
 kNISTnonSIatomicUnitOfElectricPotential atomic unit of electric potential  
 kNISTnonSIatomicUnitOfElectricQuadrupoleMoment atomic unit of electric quadrupole moment  
 kNISTnonSIatomicUnitOfEnergy atomic unit of energy  
 kNISTnonSIatomicUnitOfLength atomic unit of length  
 kNISTnonSIatomicUnitOfMagneticDipoleMoment atomic unit of magnetic dipole moment  
 kNISTnonSIatomicUnitOfMagneticFluxDensity atomic unit of magnetic flux density  
 kNISTnonSIatomicUnitOfMagnetizability atomic unit of magnetizability  
 kNISTnonSIatomicUnitOfMass atomic unit of mass  
 kNISTnonSIatomicUnitOfMomentum atomic unit of momentum  
 kNISTnonSIatomicUnitOfPermittivity atomic unit of permittivity  
 kNISTnonSIatomicUnitOfTime atomic unit of time  
 kNISTnonSIatomicUnitOfVelocity atomic unit of velocity  
 kNISTnonSIelectronVolt electron volt  
 kNISTnonSInaturalUnitOfAction natural unit of action  
 kNISTnonSInaturalUnitOfActionInEVS natural unit of action in eV s  
 kNISTnonSInaturalUnitOfEnergy natural unit of energy  
 kNISTnonSInaturalUnitOfEnergyInMeV natural unit of energy in MeV  
 kNISTnonSInaturalUnitOfLength natural unit of length  
 kNISTnonSInaturalUnitOfMass natural unit of mass  
 kNISTnonSInaturalUnitOfMomentum natural unit of momentum

kNISTnonSInaturalUnitOfMomentumInMeVc natural unit of momentum in MeV/c  
 kNISTnonSInaturalUnitOfTime natural unit of time  
 kNISTnonSIPlanckConstantOver2PiTimesCInMeVfm Planck constant over 2 pi times c in MeV fm  
 kNISTnonSIspeedOfLightInVacuum speed of light in vacuum  
 kNISTnonSIunifiedAtomicMassUnit unified atomic mass unit

**Usage**

kNISTnonSIatomicUnitOf1stHyperpolarizability

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically [http://physics.nist.gov/cgi-bin/cuu/Value?auhypol|search\\_for=nonsi\\_in!](http://physics.nist.gov/cgi-bin/cuu/Value?auhypol|search_for=nonsi_in!)

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically [http://physics.nist.gov/cgi-bin/cuu/Value?auhypol|search\\_for=nonsi\\_in!](http://physics.nist.gov/cgi-bin/cuu/Value?auhypol|search_for=nonsi_in!)

**Examples**

```
## Not run: print(kNISTnonSIatomicUnitOf1stHyperpolarizability)
```

---

NISTabampereTOampere *Convert abampere to ampere*

---

**Description**

NISTabampereTOampere converts from abampere to ampere (A)

**Usage**

NISTabampereTOampere(abampere)

**Arguments**

abampere          abampere

**Value**

ampere (A)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTabampereTOampere(10)

---

NISTabcoulombTOcoulomb

*Convert abcoulomb to coulomb*

---

**Description**

NISTabcoulombTOcoulomb converts from abcoulomb to coulomb (C)

**Usage**

NISTabcoulombTOcoulomb(abcoulomb)

**Arguments**

abcoulomb      abcoulomb

**Value**

coulomb (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTabcoulombTOcoulomb(10)

---

NISTabfaradTOfarad      *Convert abfarad to farad*

---

**Description**

NISTabfaradTOfarad converts from abfarad to farad (F)

**Usage**

NISTabfaradTOfarad(abfarad)

**Arguments**

abfarad                  abfarad

**Value**

farad (F)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTabfaradTOfarad(10)

---

NISTabhenryTOhenry      *Convert abhenry to henry*

---

**Description**

NISTabhenryTOhenry converts from abhenry to henry (H)

**Usage**

NISTabhenryTOhenry(abhenry)

**Arguments**

abhenry                  abhenry

**Value**

henry (H)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTabhenryTOhenry(10)

---

NISTabmhoTOsiemens      *Convert abmho to siemens*

---

**Description**

NISTabmhoTOsiemens converts from abmho to siemens (S)

**Usage**

NISTabmhoTOsiemens(abmho)

**Arguments**

abmho                  abmho

**Value**

siemens (S)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTabmhoTOsiemens(10)

---

NISTabohmTOohm	<i>Convert abohm to ohm</i>
----------------	-----------------------------

---

**Description**

NISTabohmTOohm converts from abohm to ohm (ohm)

**Usage**

NISTabohmTOohm(abohm)

**Arguments**

abohm            abohm

**Value**

ohm (ohm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTabohmTOohm(10)

---

NISTabvoltTOvolt	<i>Convert abvolt to volt</i>
------------------	-------------------------------

---

**Description**

NISTabvoltTOvolt converts from abvolt to volt (V)

**Usage**

NISTabvoltTOvolt(abvolt)

**Arguments**

abvolt	abvolt
--------	--------

**Value**

volt (V)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTabvoltTOvolt(10)



---

NISTacclOfFreeFallStdTOMeterPerSecSqr

*Convert acceleration of free fall, standard to meter per second squared*

---

### **Description**

NISTacclOfFreeFallStdTOMeterPerSecSqr converts from acceleration of free fall, standard (gn) to meter per second squared (m / s<sup>2</sup>)

### **Usage**

NISTacclOfFreeFallStdTOMeterPerSecSqr(acclOfFreeFallStd)

### **Arguments**

acclOfFreeFallStd  
acceleration of free fall, standard (gn)

### **Value**

meter per second squared (m / s<sup>2</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTacclOfFreeFallStdTOMeterPerSecSqr(10)

---

NISTacreFtTOcubMeter *Convert acre foot 7 to cubic meter*

---

**Description**

NISTacreFtTOcubMeter converts from acre foot (based on U.S. survey foot) 7 to cubic meter (m3)

**Usage**

NISTacreFtTOcubMeter(acreFt)

**Arguments**

acreFt            acre foot (based on U.S. survey foot) 7

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTacreFtTOcubMeter(10)

---

NISTacreT0sqrMeter      *Convert acre 7 to square meter*

---

**Description**

NISTacreT0sqrMeter converts from acre (based on U.S. survey foot) 7 to square meter (m2)

**Usage**

NISTacreT0sqrMeter(acre)

**Arguments**

acre                      acre (based on U.S. survey foot) 7

**Value**

square meter (m2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTacreT0sqrMeter(10)

---

NISTampereHourTOcoulomb

*Convert ampere hour to coulomb*

---

**Description**

NISTampereHourTOcoulomb converts from ampere hour (A \* h) to coulomb (C)

**Usage**

NISTampereHourTOcoulomb(ampereHour)

**Arguments**

ampereHour      ampere hour (A \* h)

**Value**

coulomb (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTampereHourTOcoulomb(10)

---

NISTamperePerMeterTOersted

*Convert ampere per meter to oersted*

---

**Description**

NISTamperePerMeterTOersted converts from ampere per meter (A/m) to oersted (Oe)

**Usage**

NISTamperePerMeterTOersted(amperePerMeter)

**Arguments**

amperePerMeter ampere per meter (A/m)

**Value**

oersted (Oe)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTamperePerMeterTOersted(10)

---

NISTampereTOabampere *Convert ampere to abampere*

---

**Description**

NISTampereTOabampere converts from ampere (A) to abampere

**Usage**

NISTampereTOabampere(ampere)

**Arguments**

ampere            ampere (A)

**Value**

abampere

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTampereTOabampere(10)

---

NISTampereTObiot	<i>Convert ampere to biot</i>
------------------	-------------------------------

---

**Description**

NISTampereTObiot converts from ampere (A) to biot (Bi)

**Usage**

NISTampereTObiot(ampere)

**Arguments**

ampere            ampere (A)

**Value**

biot (Bi)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTampereTObiot(10)

---

NISTampereToEMUOfCurrent

*Convert ampere to EMU of current*

---

### **Description**

NISTampereToEMUOfCurrent converts from ampere (A) to EMU of current (abampere)

### **Usage**

NISTampereToEMUOfCurrent(ampere)

### **Arguments**

ampere            ampere (A)

### **Value**

EMU of current (abampere)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTampereToEMUOfCurrent(10)



---

NISTampereToESUOfCurrent

*Convert ampere to ESU of current*

---

**Description**

NISTampereToESUOfCurrent converts from ampere (A) to ESU of current (statampere)

**Usage**

NISTampereToESUOfCurrent(ampere)

**Arguments**

ampere            ampere (A)

**Value**

ESU of current (statampere)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTampereToESUOfCurrent(10)

---

NISTampereTOgilbert     *Convert ampere to gilbert*

---

**Description**

NISTampereTOgilbert converts from ampere (A) to gilbert (Gi)

**Usage**

NISTampereTOgilbert(ampere)

**Arguments**

ampere            ampere (A)

**Value**

gilbert (Gi)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTampereTOgilbert(10)

---

NISTampereTOstatampere

*Convert ampere to statampere*

---

**Description**

NISTampereTOstatampere converts from ampere (A) to statampere

**Usage**

NISTampereTOstatampere(ampere)

**Arguments**

ampere            ampere (A)

**Value**

statampere

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTampereTOstatampere(10)

---

NISTangstromTOMeter     *Convert angstrom to meter*

---

**Description**

NISTangstromTOMeter converts from angstrom (a) to meter (m)

**Usage**

NISTangstromTOMeter(angstrom)

**Arguments**

angstrom            angstrom (a)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTangstromTOMeter(10)

---

NISTangstromTONanometer

*Convert angstrom to nanometer*

---

**Description**

NISTangstromTONanometer converts from angstrom (a) to nanometer (nm)

**Usage**

NISTangstromTONanometer(angstrom)

**Arguments**

angstrom          angstrom (a)

**Value**

nanometer (nm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTangstromTONanometer(10)

---

NISTareTOsqrMeter	<i>Convert are to square meter</i>
-------------------	------------------------------------

---

**Description**

NISTareTOsqrMeter converts from are (a) to square meter (m2)

**Usage**

NISTareTOsqrMeter(are)

**Arguments**

are                    are (a)

**Value**

square meter (m2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTareTOsqrMeter(10)

---

NISTastronomicalUnTOMeter

*Convert astronomical unit to meter*

---

**Description**

NISTastronomicalUnTOMeter converts from astronomical unit (ua) to meter (m)

**Usage**

NISTastronomicalUnTOMeter(astronomicalUn)

**Arguments**

astronomicalUn astronomical unit (ua)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTastronomicalUnTOMeter(10)

---

NISTatmosphereStdTOkpasca1

*Convert atmosphere, standard to kilopascal*

---

**Description**

NISTatmosphereStdTOkpasca1 converts from atmosphere, standard (atm) to kilopascal (kPa)

**Usage**

NISTatmosphereStdTOkpasca1(atmosphereStd)

**Arguments**

atmosphereStd    atmosphere, standard (atm)

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTatmosphereStdTOkpasca1(10)



---

NISTatmosphereStdTOpascal

*Convert atmosphere, standard to pascal*

---

**Description**

NISTatmosphereStdTOpascal converts from atmosphere, standard (atm) to pascal (Pa)

**Usage**

NISTatmosphereStdTOpascal(atmosphereStd)

**Arguments**

atmosphereStd    atmosphere, standard (atm)

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTatmosphereStdTOpascal(10)

---

NISTatmosphereTechnicalTOkpasca1

*Convert atmosphere, technical 8 to kilopascal*

---

**Description**

NISTatmosphereTechnicalTOkpasca1 converts from atmosphere, technical (at) 8 to kilopascal (kPa)

**Usage**

NISTatmosphereTechnicalTOkpasca1(atmosphereTechnical)

**Arguments**

atmosphereTechnical  
atmosphere, technical (at) 8

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTatmosphereTechnicalTOkpasca1(10)

---

NISTatmosphereTechnicalTOpascal

*Convert atmosphere, technical 8 to pascal*

---

**Description**

NISTatmosphereTechnicalTOpascal converts from atmosphere, technical (at) 8 to pascal (Pa)

**Usage**

NISTatmosphereTechnicalTOpascal(atmosphereTechnical)

**Arguments**

atmosphereTechnical  
atmosphere, technical (at) 8

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTatmosphereTechnicalTOpascal(10)

---

NISTbarnT0sqrMeter      *Convert barn to square meter*

---

**Description**

NISTbarnT0sqrMeter converts from barn (b) to square meter (m2)

**Usage**

NISTbarnT0sqrMeter(barn)

**Arguments**

barn                      barn (b)

**Value**

square meter (m2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTbarnT0sqrMeter(10)

---

NISTbarrelTOcubMeter *Convert barrel to cubic meter*

---

**Description**

NISTbarrelTOcubMeter converts from barrel [for petroleum, 42 gallons (U.S.)] (bbl) to cubic meter (m3)

**Usage**

NISTbarrelTOcubMeter(barrel)

**Arguments**

barrel            barrel [for petroleum, 42 gallons (U.S.)] (bbl)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTbarrelTOcubMeter(10)

---

NISTbarrelToliter      *Convert barrel to liter*

---

**Description**

NISTbarrelToliter converts from barrel [for petroleum, 42 gallons (U.S.)] (bbl) to liter (L)

**Usage**

NISTbarrelToliter(barrel)

**Arguments**

barrel                  barrel [for petroleum, 42 gallons (U.S.)] (bbl)

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTbarrelToliter(10)

---

NISTbarT0kpasca1	<i>Convert bar to kilopascal</i>
------------------	----------------------------------

---

**Description**

NISTbarT0kpasca1 converts from bar (bar) to kilopascal (kPa)

**Usage**

NISTbarT0kpasca1(bar)

**Arguments**

bar                    bar (bar)

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTbarT0kpasca1(10)

---

NISTbarTOpascal	<i>Convert bar to pascal</i>
-----------------	------------------------------

---

**Description**

NISTbarTOpascal converts from bar (bar) to pascal (Pa)

**Usage**

NISTbarTOpascal(bar)

**Arguments**

bar                  bar (bar)

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTbarTOpascal(10)



---

NISTbecquerelTOcurie *Convert becquerel to curie*

---

**Description**

NISTbecquerelTOcurie converts from becquerel (Bq) to curie (Ci)

**Usage**

NISTbecquerelTOcurie(becquerel)

**Arguments**

becquerel      becquerel (Bq)

**Value**

curie (Ci)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTbecquerelTOcurie(10)

---

NISTbiotTOampere	<i>Convert biot to ampere</i>
------------------	-------------------------------

---

**Description**

NISTbiotTOampere converts from biot (Bi) to ampere (A)

**Usage**

NISTbiotTOampere(biot)

**Arguments**

biot	biot (Bi)
------	-----------

**Value**

ampere (A)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTbiotTOampere(10)

---

NISTbushelTOcubMeter *Convert bushel to cubic meter*

---

**Description**

NISTbushelTOcubMeter converts from bushel (U.S.) (bu) to cubic meter (m3)

**Usage**

NISTbushelTOcubMeter(bushel)

**Arguments**

bushel            bushel (U.S.) (bu)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTbushelTOcubMeter(10)

---

NISTbushelToliter      *Convert bushel to liter*

---

**Description**

NISTbushelToliter converts from bushel (U.S.) (bu) to liter (L)

**Usage**

NISTbushelToliter(bushel)

**Arguments**

bushel              bushel (U.S.) (bu)

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTbushelToliter(10)

---

NISTcal15CtOjoule      *Convert calorie to joule*

---

**Description**

NISTcal15CtOjoule converts from calorie (15 C) (cal15) to joule (J)

**Usage**

NISTcal15CtOjoule(cal15C)

**Arguments**

cal15C              calorie (15 C) (cal15)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcal15CtOjoule(10)

---

NISTcal20CtOjoule      *Convert calorie to joule*

---

**Description**

NISTcal20CtOjoule converts from calorie (20 C) (cal20) to joule (J)

**Usage**

NISTcal20CtOjoule(cal20C)

**Arguments**

cal20C                  calorie (20 C) (cal20)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcal20CtOjoule(10)

---

NISTcalITKgTOjoule      *Convert calorieIT, kilogram 11 to joule*

---

**Description**

NISTcalITKgTOjoule converts from calorieIT, kilogram (nutrition) 11 to joule (J)

**Usage**

NISTcalITKgTOjoule(calITKg)

**Arguments**

calITKg      calorieIT, kilogram (nutrition) 11

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalITKgTOjoule(10)

---

NISTcalITPerGramDegCtOjoulePerKgK

*Convert calorieIT per gram degree Celsius to joule per kilogram kelvin*

---

### Description

NISTcalITPerGramDegCtOjoulePerKgK converts from calorieIT per gram degree Celsius [calIT/(g \* C)] to joule per kilogram kelvin [J/(kg \* K)]

### Usage

NISTcalITPerGramDegCtOjoulePerKgK(calITPerGramDegC)

### Arguments

calITPerGramDegC

calorieIT per gram degree Celsius [calIT/(g \* C)]

### Value

joule per kilogram kelvin [J/(kg \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTcalITPerGramDegCtOjoulePerKgK(10)



---

NISTcalITPerGramKtOjoulePerKgK

*Convert calorieIT per gram kelvin to joule per kilogram kelvin*

---

**Description**

NISTcalITPerGramKtOjoulePerKgK converts from calorieIT per gram kelvin [calIT/(g \* K)] to joule per kilogram kelvin [J/(kg \* K)]

**Usage**

NISTcalITPerGramKtOjoulePerKgK(calITPerGramK)

**Arguments**

calITPerGramK    calorieIT per gram kelvin [calIT/(g \* K)]

**Value**

joule per kilogram kelvin [J/(kg \* K)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalITPerGramKtOjoulePerKgK(10)

---

NISTcalITPerGramTOjoulePerKg

*Convert calorieIT per gram to joule per kilogram*

---

**Description**

NISTcalITPerGramTOjoulePerKg converts from calorieIT per gram (calIT/g) to joule per kilogram (J/kg)

**Usage**

NISTcalITPerGramTOjoulePerKg(calITPerGram)

**Arguments**

calITPerGram    calorieIT per gram (calIT/g)

**Value**

joule per kilogram (J/kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalITPerGramTOjoulePerKg(10)

---

NISTcalITtOjoule	<i>Convert calorieIT 10 to joule</i>
------------------	--------------------------------------

---

**Description**

NISTcalITtOjoule converts from calorieIT (calIT) 10 to joule (J)

**Usage**

NISTcalITtOjoule(calIT)

**Arguments**

calIT	calorieIT (calIT) 10
-------	----------------------

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalITtOjoule(10)

---

NISTcalKgTOjoule      *Convert calorie , kilogram 11 to joule*

---

**Description**

NISTcalKgTOjoule converts from calorie (mean), kilogram (nutrition) 11 to joule (J)

**Usage**

NISTcalKgTOjoule(calKg)

**Arguments**

calKg                  calorie (mean), kilogram (nutrition) 11

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalKgTOjoule(10)

---

NISTcalthKgTOjoule      *Convert calorieth , kilogram 11 to joule*

---

**Description**

NISTcalthKgTOjoule converts from calorieth , kilogram (nutrition) 11 to joule (J)

**Usage**

NISTcalthKgTOjoule(calthKg)

**Arguments**

calthKg              calorieth , kilogram (nutrition) 11

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalthKgTOjoule(10)

---

NISTcalthPerCmSecDegCtOwattPerMeterK

*Convert calorieth per centimeter second degree Celsius to watt per meter kelvin*

---

### Description

NISTcalthPerCmSecDegCtOwattPerMeterK converts from calorieth per centimeter second degree Celsius [calth/(cm \* s \* C)] to watt per meter kelvin [W/(m \* K)]

### Usage

NISTcalthPerCmSecDegCtOwattPerMeterK(calthPerCmSecDegC)

### Arguments

calthPerCmSecDegC  
calorieth per centimeter second degree Celsius [calth/(cm \* s \* C)]

### Value

watt per meter kelvin [W/(m \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTcalthPerCmSecDegCtOwattPerMeterK(10)

---

NISTcalthPerGramDegCtOjoulePerKgK

*Convert calorieth per gram degree Celsius to joule per kilogram kelvin*

---

### Description

NISTcalthPerGramDegCtOjoulePerKgK converts from calorieth per gram degree Celsius [calth/(g \* C)] to joule per kilogram kelvin [J/(kg \* K)]

### Usage

NISTcalthPerGramDegCtOjoulePerKgK(calthPerGramDegC)

### Arguments

calthPerGramDegC  
calorieth per gram degree Celsius [calth/(g \* C)]

### Value

joule per kilogram kelvin [J/(kg \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTcalthPerGramDegCtOjoulePerKgK(10)

---

NISTcalthPerGramKtOjoulePerKgK

*Convert calorieth per gram kelvin to joule per kilogram kelvin*

---

**Description**

NISTcalthPerGramKtOjoulePerKgK converts from calorieth per gram kelvin [calth/(g\* K)] to joule per kilogram kelvin [J/(kg \* K)]

**Usage**

NISTcalthPerGramKtOjoulePerKgK(calthPerGramK)

**Arguments**

calthPerGramK calorieth per gram kelvin [calth/(g\* K)]

**Value**

joule per kilogram kelvin [J/(kg \* K)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalthPerGramKtOjoulePerKgK(10)



---

NISTcalthPerGramTOjoulePerKg

*Convert calorieth per gram to joule per kilogram*

---

**Description**

NISTcalthPerGramTOjoulePerKg converts from calorieth per gram (calth/g) to joule per kilogram (J/kg)

**Usage**

NISTcalthPerGramTOjoulePerKg(calthPerGram)

**Arguments**

calthPerGram    calorieth per gram (calth/g)

**Value**

joule per kilogram (J/kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalthPerGramTOjoulePerKg(10)

---

NISTcalthPerMinTOWatt *Convert calorieth per minute to watt*

---

**Description**

NISTcalthPerMinTOWatt converts from calorieth per minute (calth/min) to watt (W)

**Usage**

NISTcalthPerMinTOWatt(calthPerMin)

**Arguments**

calthPerMin      calorieth per minute (calth/min)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalthPerMinTOWatt(10)

---

NISTcalthPerSecTowatt *Convert calorieth per second to watt*

---

**Description**

NISTcalthPerSecTowatt converts from calorieth per second (calth/s) to watt (W)

**Usage**

NISTcalthPerSecTowatt(calthPerSec)

**Arguments**

calthPerSec      calorieth per second (calth/s)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalthPerSecTowatt(10)

---

NISTcalthPerSqrCmMinTOwattPerSqrMeter

*Convert calorieth per square centimeter minute to watt per square meter*

---

### Description

NISTcalthPerSqrCmMinTOwattPerSqrMeter converts from calorieth per square centimeter minute [calth/(cm2 \* min)] to watt per square meter (W/m2)

### Usage

NISTcalthPerSqrCmMinTOwattPerSqrMeter(calthPerSqrCmMin)

### Arguments

calthPerSqrCmMin  
calorieth per square centimeter minute [calth/(cm2 \* min)]

### Value

watt per square meter (W/m2)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTcalthPerSqrCmMinTOwattPerSqrMeter(10)

---

NISTcalthPerSqrCmSecTOwattPerSqrMeter

*Convert calorieth per square centimeter second to watt per square meter*

---

### Description

NISTcalthPerSqrCmSecTOwattPerSqrMeter converts from calorieth per square centimeter second [calth/(cm<sup>2</sup> \* s)] to watt per square meter (W/m<sup>2</sup>)

### Usage

NISTcalthPerSqrCmSecTOwattPerSqrMeter(calthPerSqrCmSec)

### Arguments

calthPerSqrCmSec  
calorieth per square centimeter second [calth/(cm<sup>2</sup> \* s)]

### Value

watt per square meter (W/m<sup>2</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTcalthPerSqrCmSecTOwattPerSqrMeter(10)

---

NISTcalthPerSqrCmTOjoulePerSqrMeter

*Convert calorieth per square centimeter to joule per square meter*

---

### **Description**

NISTcalthPerSqrCmTOjoulePerSqrMeter converts from calorieth per square centimeter (calth/cm2) to joule per square meter (J/m2)

### **Usage**

NISTcalthPerSqrCmTOjoulePerSqrMeter(calthPerSqrCm)

### **Arguments**

calthPerSqrCm calorieth per square centimeter (calth/cm2)

### **Value**

joule per square meter (J/m2)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTcalthPerSqrCmTOjoulePerSqrMeter(10)

---

NISTcalthTOjoule	<i>Convert calorieth 10 to joule</i>
------------------	--------------------------------------

---

**Description**

NISTcalthTOjoule converts from calorieth (calth) 10 to joule (J)

**Usage**

NISTcalthTOjoule(calth)

**Arguments**

calth            calorieth (calth) 10

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalthTOjoule(10)

---

NISTcalT0joule	<i>Convert calorie to joule</i>
----------------	---------------------------------

---

**Description**

NISTcalT0joule converts from calorie (cal) (mean) to joule (J)

**Usage**

NISTcalT0joule(cal)

**Arguments**

cal                    calorie (cal) (mean)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcalT0joule(10)



---

NISTcandelaPerSqrInchTOcandelaPerSqrMeter

*Convert candela per square inch to candela per square meter*

---

### **Description**

NISTcandelaPerSqrInchTOcandelaPerSqrMeter converts from candela per square inch (cd/in<sup>2</sup>) to candela per square meter (cd/m<sup>2</sup>)

### **Usage**

NISTcandelaPerSqrInchTOcandelaPerSqrMeter(candelaPerSqrInch)

### **Arguments**

candelaPerSqrInch  
candela per square inch (cd/in<sup>2</sup>)

### **Value**

candela per square meter (cd/m<sup>2</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTcandelaPerSqrInchTOcandelaPerSqrMeter(10)

---

NISTcandelaPerSqrMeterTOcandelaPerSqrInch

*Convert candela per square meter to candela per square inch*

---

**Description**

NISTcandelaPerSqrMeterTOcandelaPerSqrInch converts from candela per square meter (cd/m<sup>2</sup>) to candela per square inch (cd/in<sup>2</sup>)

**Usage**

NISTcandelaPerSqrMeterTOcandelaPerSqrInch(candelaPerSqrMeter)

**Arguments**

candelaPerSqrMeter  
candela per square meter (cd/m<sup>2</sup>)

**Value**

candela per square inch (cd/in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcandelaPerSqrMeterTOcandelaPerSqrInch(10)

---

NISTcandelaPerSqrMeterTOftlambert

*Convert candela per square meter to footlambert*

---

### **Description**

NISTcandelaPerSqrMeterTOftlambert converts from candela per square meter (cd/m<sup>2</sup>) to footlambert

### **Usage**

NISTcandelaPerSqrMeterTOftlambert(candelaPerSqrMeter)

### **Arguments**

candelaPerSqrMeter  
candela per square meter (cd/m<sup>2</sup>)

### **Value**

footlambert

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTcandelaPerSqrMeterTOftlambert(10)

---

NISTcandelaPerSqrMeterTOlambert

*Convert candela per square meter to lambert 17*

---

### **Description**

NISTcandelaPerSqrMeterTOlambert converts from candela per square meter (cd/m<sup>2</sup>) to lambert 17

### **Usage**

NISTcandelaPerSqrMeterTOlambert(candelaPerSqrMeter)

### **Arguments**

candelaPerSqrMeter  
candela per square meter (cd/m<sup>2</sup>)

### **Value**

lambert 17

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTcandelaPerSqrMeterTOlambert(10)

---

NISTcandelaPerSqrMeterTOstilb

*Convert candela per square meter to stilb*

---

**Description**

NISTcandelaPerSqrMeterTOstilb converts from candela per square meter (cd/m<sup>2</sup>) to stilb (sb)

**Usage**

NISTcandelaPerSqrMeterTOstilb(candelaPerSqrMeter)

**Arguments**

candelaPerSqrMeter  
candela per square meter (cd/m<sup>2</sup>)

**Value**

stilb (sb)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcandelaPerSqrMeterTOstilb(10)

---

NISTcaratSItoOgram      *Convert carat, metric to gram*

---

**Description**

NISTcaratSItoOgram converts from carat, metric to gram (g)

**Usage**

NISTcaratSItoOgram(caratSI)

**Arguments**

caratSI      carat, metric

**Value**

gram (g)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcaratSItoOgram(10)

---

NISTcaratSItoKg	<i>Convert carat, metric to kilogram</i>
-----------------	--

---

**Description**

NISTcaratSItoKg converts from carat, metric to kilogram (kg)

**Usage**

NISTcaratSItoKg(caratSI)

**Arguments**

caratSI          carat, metric

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcaratSItoKg(10)

---

NISTcentipoiseTOpascalSec

*Convert centipoise to pascal second*

---

**Description**

NISTcentipoiseTOpascalSec converts from centipoise (cP) to pascal second (Pa \* s)

**Usage**

NISTcentipoiseTOpascalSec(*centipoise*)

**Arguments**

*centipoise*      *centipoise (cP)*

**Value**

pascal second (Pa \* s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcentipoiseTOpascalSec(10)



---

NISTcentistokesT0meterSqrDPerSec

*Convert centistokes to meter squared per second*

---

**Description**

NISTcentistokesT0meterSqrDPerSec converts from centistokes (cSt) to meter squared per second (m<sup>2</sup>/s)

**Usage**

NISTcentistokesT0meterSqrDPerSec(*centistokes*)

**Arguments**

*centistokes*      *centistokes (cSt)*

**Value**

meter squared per second (m<sup>2</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcentistokesT0meterSqrDPerSec(10)

---

NISTchainTOMeter	<i>Convert chain 7 to meter</i>
------------------	---------------------------------

---

**Description**

NISTchainTOMeter converts from chain (based on U.S. survey foot) (ch) 7 to meter (m)

**Usage**

NISTchainTOMeter(chain)

**Arguments**

chain	chain (based on U.S. survey foot) (ch) 7
-------	--

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTchainTOMeter(10)

---

NISTcircularMilTOsqrMeter

*Convert circular mil to square meter*

---

**Description**

NISTcircularMilTOsqrMeter converts from circular mil to square meter (m2)

**Usage**

NISTcircularMilTOsqrMeter(circularMil)

**Arguments**

circularMil      circular mil

**Value**

square meter (m2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcircularMilTOsqrMeter(10)

---

NISTcircularMilTOsqrMillimeter

*Convert circular mil to square millimeter*

---

**Description**

NISTcircularMilTOsqrMillimeter converts from circular mil to square millimeter (mm<sup>2</sup>)

**Usage**

NISTcircularMilTOsqrMillimeter(circularMil)

**Arguments**

circularMil      circular mil

**Value**

square millimeter (mm<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcircularMilTOsqrMillimeter(10)

---

NISTcloTOsqrMeterKPerWatt

*Convert clo to square meter kelvin per watt*

---

**Description**

NISTcloTOsqrMeterKPerWatt converts from clo to square meter kelvin per watt ( $\text{m}^2 \cdot \text{K}/\text{W}$ )

**Usage**

NISTcloTOsqrMeterKPerWatt(clo)

**Arguments**

clo                      clo

**Value**

square meter kelvin per watt ( $\text{m}^2 \cdot \text{K}/\text{W}$ )

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcloTOsqrMeterKPerWatt(10)

---

NISTcmOfMercuryConvtnlT0kpasca1

*Convert centimeter of mercury, conventional 12 to kilopascal*

---

### **Description**

NISTcmOfMercuryConvtnlT0kpasca1 converts from centimeter of mercury, conventional (cmHg) 12 to kilopascal (kPa)

### **Usage**

NISTcmOfMercuryConvtnlT0kpasca1(cmOfMercuryConvtnl)

### **Arguments**

cmOfMercuryConvtnl  
centimeter of mercury, conventional (cmHg) 12

### **Value**

kilopascal (kPa)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTcmOfMercuryConvtnlT0kpasca1(10)

---

NISTcmOfMercuryConvtnlTOpascal

*Convert centimeter of mercury, conventional 12 to pascal*

---

**Description**

NISTcmOfMercuryConvtnlTOpascal converts from centimeter of mercury, conventional (cmHg) 12 to pascal (Pa)

**Usage**

NISTcmOfMercuryConvtnlTOpascal(cmOfMercuryConvtnl)

**Arguments**

cmOfMercuryConvtnl  
centimeter of mercury, conventional (cmHg) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcmOfMercuryConvtnlTOpascal(10)

---

NISTcmOfMercuryTOkpasca1

*Convert centimeter of mercury 12 to kilopascal*

---

**Description**

NISTcmOfMercuryTOkpasca1 converts from centimeter of mercury (0 C) 12 to kilopascal (kPa)

**Usage**

NISTcmOfMercuryTOkpasca1(cmOfMercury)

**Arguments**

cmOfMercury      centimeter of mercury (0 C) 12

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcmOfMercuryTOkpasca1(10)



---

NISTcmOfMercuryTOpascal

*Convert centimeter of mercury 12 to pascal*

---

**Description**

NISTcmOfMercuryTOpascal converts from centimeter of mercury (0 C) 12 to pascal (Pa)

**Usage**

NISTcmOfMercuryTOpascal(cmOfMercury)

**Arguments**

cmOfMercury      centimeter of mercury (0 C) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcmOfMercuryTOpascal(10)

---

NISTcmOfWaterConvtnlTOpascal

*Convert centimeter of water, conventional 12 to pascal*

---

**Description**

NISTcmOfWaterConvtnlTOpascal converts from centimeter of water, conventional (cmH2O) 12 to pascal (Pa)

**Usage**

NISTcmOfWaterConvtnlTOpascal(cmOfWaterConvtnl)

**Arguments**

cmOfWaterConvtnl  
centimeter of water, conventional (cmH2O) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcmOfWaterConvtnlTOpascal(10)

---

NISTcmOfWaterTOpascal *Convert centimeter of water 12 to pascal*

---

**Description**

NISTcmOfWaterTOpascal converts from centimeter of water (4 C) 12 to pascal (Pa)

**Usage**

NISTcmOfWaterTOpascal(cmOfWater)

**Arguments**

cmOfWater          centimeter of water (4 C) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcmOfWaterTOpascal(10)

---

NISTcmTOinch	<i>Convert centimeter to inch</i>
--------------	-----------------------------------

---

**Description**

NISTcmTOinch converts from centimeter (cm) to inch (in)

**Usage**

NISTcmTOinch(cm)

**Arguments**

cm                    centimeter (cm)

**Value**

inch (in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcmTOinch(10)

---

NISTcordTOcubMeter      *Convert cord to cubic meter*

---

**Description**

NISTcordTOcubMeter converts from cord (128 ft<sup>3</sup>) to cubic meter (m<sup>3</sup>)

**Usage**

NISTcordTOcubMeter(cord)

**Arguments**

cord                      cord (128 ft<sup>3</sup>)

**Value**

cubic meter (m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcordTOcubMeter(10)

NISTcoulombMeterTodebye

*Convert coulomb meter to debye*

---

**Description**

NISTcoulombMeterTodebye converts from coulomb meter (C \* m) to debye (D)

**Usage**

NISTcoulombMeterTodebye(coulombMeter)

**Arguments**

coulombMeter    coulomb meter (C \* m)

**Value**

debye (D)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcoulombMeterTodebye(10)

---

NISTcoulombPerKgTOroentgen

*Convert coulomb per kilogram to roentgen*

---

**Description**

NISTcoulombPerKgTOroentgen converts from coulomb per kilogram (C/kg) to roentgen (R)

**Usage**

NISTcoulombPerKgTOroentgen(coulombPerKg)

**Arguments**

coulombPerKg    coulomb per kilogram (C/kg)

**Value**

roentgen (R)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcoulombPerKgTOroentgen(10)

---

NISTcoulombTOabcoulomb

*Convert coulomb to abcoulomb*

---

**Description**

NISTcoulombTOabcoulomb converts from coulomb (C) to abcoulomb

**Usage**

NISTcoulombTOabcoulomb(coulomb)

**Arguments**

coulomb          coulomb (C)

**Value**

abcoulomb

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcoulombTOabcoulomb(10)



---

NISTcoulombTOampereHour

*Convert coulomb to ampere hour*

---

**Description**

NISTcoulombTOampereHour converts from coulomb (C) to ampere hour (A \* h)

**Usage**

NISTcoulombTOampereHour(coulomb)

**Arguments**

coulomb          coulomb (C)

**Value**

ampere hour (A \* h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcoulombTOampereHour(10)

---

NISTcoulombTOfaraday *Convert coulomb to faraday*

---

**Description**

NISTcoulombTOfaraday converts from coulomb (C) to faraday (based on carbon 12)

**Usage**

NISTcoulombTOfaraday(coulomb)

**Arguments**

coulomb            coulomb (C)

**Value**

faraday (based on carbon 12)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcoulombTOfaraday(10)

---

NISTcoulombTOfranklin *Convert coulomb to franklin*

---

**Description**

NISTcoulombTOfranklin converts from coulomb (C) to franklin (Fr)

**Usage**

NISTcoulombTOfranklin(coulomb)

**Arguments**

coulomb            coulomb (C)

**Value**

franklin (Fr)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcoulombTOfranklin(10)

---

NISTcoulombTostatcoulomb

*Convert coulomb to statcoulomb*

---

**Description**

NISTcoulombTostatcoulomb converts from coulomb (C) to statcoulomb

**Usage**

NISTcoulombTostatcoulomb(coulomb)

**Arguments**

coulomb            coulomb (C)

**Value**

statcoulomb

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcoulombTostatcoulomb(10)

---

NISTcubFtPerMinTOcubMeterPerSec

*Convert cubic foot per minute to cubic meter per second*

---

**Description**

NISTcubFtPerMinTOcubMeterPerSec converts from cubic foot per minute (ft<sup>3</sup>/min) to cubic meter per second (m<sup>3</sup>/s)

**Usage**

NISTcubFtPerMinTOcubMeterPerSec(cubFtPerMin)

**Arguments**

cubFtPerMin      cubic foot per minute (ft<sup>3</sup>/min)

**Value**

cubic meter per second (m<sup>3</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubFtPerMinTOcubMeterPerSec(10)

---

NISTcubFtPerMinTOLiterPerSec

*Convert cubic foot per minute to liter per second*

---

**Description**

NISTcubFtPerMinTOLiterPerSec converts from cubic foot per minute (ft<sup>3</sup>/min) to liter per second (L/s)

**Usage**

NISTcubFtPerMinTOLiterPerSec(cubFtPerMin)

**Arguments**

cubFtPerMin      cubic foot per minute (ft<sup>3</sup>/min)

**Value**

liter per second (L/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubFtPerMinTOLiterPerSec(10)

---

NISTcubFtPerSecTOcubMeterPerSec

*Convert cubic foot per second to cubic meter per second*

---

**Description**

NISTcubFtPerSecTOcubMeterPerSec converts from cubic foot per second (ft<sup>3</sup>/s) to cubic meter per second (m<sup>3</sup>/s)

**Usage**

NISTcubFtPerSecTOcubMeterPerSec(cubFtPerSec)

**Arguments**

cubFtPerSec      cubic foot per second (ft<sup>3</sup>/s)

**Value**

cubic meter per second (m<sup>3</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubFtPerSecTOcubMeterPerSec(10)

---

NISTcubFtTOcubMeter     *Convert cubic foot to cubic meter*

---

**Description**

NISTcubFtTOcubMeter converts from cubic foot (ft<sup>3</sup>) to cubic meter (m<sup>3</sup>)

**Usage**

NISTcubFtTOcubMeter(cubFt)

**Arguments**

cubFt                cubic foot (ft<sup>3</sup>)

**Value**

cubic meter (m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubFtTOcubMeter(10)



---

NISTcubInchPerMinTOcubMeterPerSec

*Convert cubic inch per minute to cubic meter per second*

---

**Description**

NISTcubInchPerMinTOcubMeterPerSec converts from cubic inch per minute (in<sup>3</sup>/min) to cubic meter per second (m<sup>3</sup>/s)

**Usage**

NISTcubInchPerMinTOcubMeterPerSec(cubInchPerMin)

**Arguments**

cubInchPerMin    cubic inch per minute (in<sup>3</sup>/min)

**Value**

cubic meter per second (m<sup>3</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubInchPerMinTOcubMeterPerSec(10)

---

NISTcubInchTOcubMeter *Convert cubic inch 13 to cubic meter*

---

**Description**

NISTcubInchTOcubMeter converts from cubic inch (in3) 13 to cubic meter (m3)

**Usage**

NISTcubInchTOcubMeter(cubInch)

**Arguments**

cubInch            cubic inch (in3) 13

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubInchTOcubMeter(10)

---

NISTcubMeterPerJouleTOgallonPerHorsepowerHour

*Convert cubic meter per joule to gallon per horsepower hour*

---

**Description**

NISTcubMeterPerJouleTOgallonPerHorsepowerHour converts from cubic meter per joule (m<sup>3</sup>/J) to gallon (U.S.) per horsepower hour [gal/(hp \* h)]

**Usage**

NISTcubMeterPerJouleTOgallonPerHorsepowerHour(cubMeterPerJoule)

**Arguments**

cubMeterPerJoule  
cubic meter per joule (m<sup>3</sup>/J)

**Value**

gallon (U.S.) per horsepower hour [gal/(hp \* h)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterPerJouleTOgallonPerHorsepowerHour(10)

---

NISTcubMeterPerSecTOcubFtPerMin

*Convert cubic meter per second to cubic foot per minute*

---

**Description**

NISTcubMeterPerSecTOcubFtPerMin converts from cubic meter per second (m<sup>3</sup>/s) to cubic foot per minute (ft<sup>3</sup>/min)

**Usage**

NISTcubMeterPerSecTOcubFtPerMin(cubMeterPerSec)

**Arguments**

cubMeterPerSec cubic meter per second (m<sup>3</sup>/s)

**Value**

cubic foot per minute (ft<sup>3</sup>/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterPerSecTOcubFtPerMin(10)

---

NISTcubMeterPerSecTOcubFtPerSec

*Convert cubic meter per second to cubic foot per second*

---

**Description**

NISTcubMeterPerSecTOcubFtPerSec converts from cubic meter per second (m<sup>3</sup>/s) to cubic foot per second (ft<sup>3</sup>/s)

**Usage**

NISTcubMeterPerSecTOcubFtPerSec(cubMeterPerSec)

**Arguments**

cubMeterPerSec cubic meter per second (m<sup>3</sup>/s)

**Value**

cubic foot per second (ft<sup>3</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterPerSecTOcubFtPerSec(10)

---

NISTcubMeterPerSecTOcubInchPerMin

*Convert cubic meter per second to cubic inch per minute*

---

**Description**

NISTcubMeterPerSecTOcubInchPerMin converts from cubic meter per second (m<sup>3</sup>/s) to cubic inch per minute (in<sup>3</sup>/min)

**Usage**

NISTcubMeterPerSecTOcubInchPerMin(cubMeterPerSec)

**Arguments**

cubMeterPerSec cubic meter per second (m<sup>3</sup>/s)

**Value**

cubic inch per minute (in<sup>3</sup>/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterPerSecTOcubInchPerMin(10)

---

NISTcubMeterPerSecTOcubYardPerMin

*Convert cubic meter per second to cubic yard per minute*

---

**Description**

NISTcubMeterPerSecTOcubYardPerMin converts from cubic meter per second (m<sup>3</sup>/s) to cubic yard per minute (yd<sup>3</sup>/min)

**Usage**

NISTcubMeterPerSecTOcubYardPerMin(cubMeterPerSec)

**Arguments**

cubMeterPerSec cubic meter per second (m<sup>3</sup>/s)

**Value**

cubic yard per minute (yd<sup>3</sup>/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterPerSecTOcubYardPerMin(10)

---

NISTcubMeterPerSecTOgallonPerDay

*Convert cubic meter per second to gallon per day*

---

**Description**

NISTcubMeterPerSecTOgallonPerDay converts from cubic meter per second (m<sup>3</sup>/s) to gallon (U.S.) per day (gal/d)

**Usage**

NISTcubMeterPerSecTOgallonPerDay(cubMeterPerSec)

**Arguments**

cubMeterPerSec cubic meter per second (m<sup>3</sup>/s)

**Value**

gallon (U.S.) per day (gal/d)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterPerSecTOgallonPerDay(10)



---

NISTcubMeterPerSecTOgallonPerMin

*Convert cubic meter per second to gallon per minute*

---

**Description**

NISTcubMeterPerSecTOgallonPerMin converts from cubic meter per second (m<sup>3</sup>/s) to gallon (U.S.) per minute (gpm) (gal/min)

**Usage**

NISTcubMeterPerSecTOgallonPerMin(cubMeterPerSec)

**Arguments**

cubMeterPerSec cubic meter per second (m<sup>3</sup>/s)

**Value**

gallon (U.S.) per minute (gpm) (gal/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterPerSecTOgallonPerMin(10)

---

NISTcubMeterTOacreFt *Convert cubic meter to acre foot* 7

---

**Description**

NISTcubMeterTOacreFt converts from cubic meter (m<sup>3</sup>) to acre foot (based on U.S. survey foot) 7

**Usage**

NISTcubMeterTOacreFt(cubMeter)

**Arguments**

cubMeter          cubic meter (m<sup>3</sup>)

**Value**

acre foot (based on U.S. survey foot) 7

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOacreFt(10)

---

NISTcubMeterTObarrel *Convert cubic meter to barrel*

---

**Description**

NISTcubMeterTObarrel converts from cubic meter (m3) to barrel [for petroleum, 42 gallons (U.S.)] (bbl)

**Usage**

NISTcubMeterTObarrel(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

barrel [for petroleum, 42 gallons (U.S.)] (bbl)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTObarrel(10)

---

NISTcubMeterTObushel *Convert cubic meter to bushel*

---

**Description**

NISTcubMeterTObushel converts from cubic meter (m3) to bushel (U.S.) (bu)

**Usage**

NISTcubMeterTObushel(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

bushel (U.S.) (bu)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTObushel(10)

---

NISTcubMeterTOcord      *Convert cubic meter to cord*

---

**Description**

NISTcubMeterTOcord converts from cubic meter (m3) to cord (128 ft3)

**Usage**

NISTcubMeterTOcord(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

cord (128 ft3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOcord(10)

---

NISTcubMeterTOcubFt    *Convert cubic meter to cubic foot*

---

**Description**

NISTcubMeterTOcubFt converts from cubic meter (m3) to cubic foot (ft3)

**Usage**

NISTcubMeterTOcubFt(cubMeter)

**Arguments**

cubMeter            cubic meter (m3)

**Value**

cubic foot (ft3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOcubFt(10)

---

NISTcubMeterTOcubInch *Convert cubic meter to cubic inch 13*

---

**Description**

NISTcubMeterTOcubInch converts from cubic meter (m3) to cubic inch (in3) 13

**Usage**

NISTcubMeterTOcubInch(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

cubic inch (in3) 13

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOcubInch(10)

---

NISTcubMeterTOcubMile *Convert cubic meter to cubic mile*

---

**Description**

NISTcubMeterTOcubMile converts from cubic meter (m3) to cubic mile (mi3)

**Usage**

NISTcubMeterTOcubMile(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

cubic mile (mi3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOcubMile(10)



---

NISTcubMeterTOcubYard *Convert cubic meter to cubic yard*

---

**Description**

NISTcubMeterTOcubYard converts from cubic meter (m3) to cubic yard (yd3)

**Usage**

NISTcubMeterTOcubYard(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

cubic yard (yd3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOcubYard(10)

---

NISTcubMeterTOcup      *Convert cubic meter to cup*

---

**Description**

NISTcubMeterTOcup converts from cubic meter (m<sup>3</sup>) to cup (U.S.)

**Usage**

NISTcubMeterTOcup(cubMeter)

**Arguments**

cubMeter      cubic meter (m<sup>3</sup>)

**Value**

cup (U.S.)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOcup(10)

---

NISTcubMeterTOfluidOunce

*Convert cubic meter to fluid ounce*

---

**Description**

NISTcubMeterTOfluidOunce converts from cubic meter (m3) to fluid ounce (U.S.) (fl oz)

**Usage**

NISTcubMeterTOfluidOunce(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

fluid ounce (U.S.) (fl oz)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOfluidOunce(10)

---

NISTcubMeterTOgallon *Convert cubic meter to gallon*

---

**Description**

NISTcubMeterTOgallon converts from cubic meter (m<sup>3</sup>) to gallon (U.S.) (gal)

**Usage**

NISTcubMeterTOgallon(cubMeter)

**Arguments**

cubMeter          cubic meter (m<sup>3</sup>)

**Value**

gallon (U.S.) (gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOgallon(10)

---

NISTcubMeterTOgallonImperial

*Convert cubic meter to gallon*

---

**Description**

NISTcubMeterTOgallonImperial converts from cubic meter (m3) to gallon [Canadian and U.K. (Imperial)] (gal)

**Usage**

NISTcubMeterTOgallonImperial(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

gallon [Canadian and U.K. (Imperial)] (gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOgallonImperial(10)

---

NISTcubMeterTOgill      *Convert cubic meter to gill*

---

**Description**

NISTcubMeterTOgill converts from cubic meter (m3) to gill (U.S.) (gi)

**Usage**

NISTcubMeterTOgill(cubMeter)

**Arguments**

cubMeter      cubic meter (m3)

**Value**

gill (U.S.) (gi)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOgill(10)

---

NISTcubMeterTOgillImperial

*Convert cubic meter to gill*

---

**Description**

NISTcubMeterTOgillImperial converts from cubic meter (m3) to gill [Canadian and U.K. (Imperial)] (gi)

**Usage**

NISTcubMeterTOgillImperial(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

gill [Canadian and U.K. (Imperial)] (gi)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOgillImperial(10)

---

NISTcubMeterTOliter     *Convert cubic meter to liter 19*

---

**Description**

NISTcubMeterTOliter converts from cubic meter (m3) to liter (L) 19

**Usage**

NISTcubMeterTOliter(cubMeter)

**Arguments**

cubMeter            cubic meter (m3)

**Value**

liter (L) 19

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOliter(10)



---

NISTcubMeterTOunce     *Convert cubic meter to ounce*

---

**Description**

NISTcubMeterTOunce converts from cubic meter (m3) to ounce (U.S. fluid) (fl oz)

**Usage**

NISTcubMeterTOunce(cubMeter)

**Arguments**

cubMeter            cubic meter (m3)

**Value**

ounce (U.S. fluid) (fl oz)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOunce(10)

---

NISTcubMeterTOounceImperial

*Convert cubic meter to ounce*

---

### **Description**

NISTcubMeterTOounceImperial converts from cubic meter (m3) to ounce [Canadian and U.K. fluid (Imperial)] (fl oz)

### **Usage**

NISTcubMeterTOounceImperial(cubMeter)

### **Arguments**

cubMeter          cubic meter (m3)

### **Value**

ounce [Canadian and U.K. fluid (Imperial)] (fl oz)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTcubMeterTOounceImperial(10)

---

NISTcubMeterTOpeck      *Convert cubic meter to peck*

---

**Description**

NISTcubMeterTOpeck converts from cubic meter (m<sup>3</sup>) to peck (U.S.) (pk)

**Usage**

NISTcubMeterTOpeck(cubMeter)

**Arguments**

cubMeter      cubic meter (m<sup>3</sup>)

**Value**

peck (U.S.) (pk)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOpeck(10)

---

NISTcubMeterTOpintUSdry

*Convert cubic meter to pint*

---

**Description**

NISTcubMeterTOpintUSdry converts from cubic meter (m3) to pint (U.S. dry) (dry pt)

**Usage**

NISTcubMeterTOpintUSdry(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

pint (U.S. dry) (dry pt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOpintUSdry(10)

---

NISTcubMeterTOpintUSliquid  
*Convert cubic meter to pint*

---

**Description**

NISTcubMeterTOpintUSliquid converts from cubic meter (m3) to pint (U.S. liquid) (liq pt)

**Usage**

NISTcubMeterTOpintUSliquid(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

pint (U.S. liquid) (liq pt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOpintUSliquid(10)

---

NISTcubMeterTOquartUSdry

*Convert cubic meter to quart*

---

**Description**

NISTcubMeterTOquartUSdry converts from cubic meter (m3) to quart (U.S. dry) (dry qt)

**Usage**

NISTcubMeterTOquartUSdry(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

quart (U.S. dry) (dry qt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOquartUSdry(10)

---

NISTcubMeterTOquartUSliquid

*Convert cubic meter to quart*

---

**Description**

NISTcubMeterTOquartUSliquid converts from cubic meter (m3) to quart (U.S. liquid) (liq qt)

**Usage**

NISTcubMeterTOquartUSliquid(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

quart (U.S. liquid) (liq qt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOquartUSliquid(10)

---

NISTcubMeterTOstere     *Convert cubic meter to stere*

---

**Description**

NISTcubMeterTOstere converts from cubic meter (m3) to stere (st)

**Usage**

NISTcubMeterTOstere(cubMeter)

**Arguments**

cubMeter            cubic meter (m3)

**Value**

stere (st)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOstere(10)



---

NISTcubMeterT0tablespoon

*Convert cubic meter to tablespoon*

---

**Description**

NISTcubMeterT0tablespoon converts from cubic meter (m3) to tablespoon

**Usage**

NISTcubMeterT0tablespoon(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

tablespoon

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterT0tablespoon(10)

---

NISTcubMeterToteaspoon

*Convert cubic meter to teaspoon*

---

**Description**

NISTcubMeterToteaspoon converts from cubic meter (m3) to teaspoon

**Usage**

NISTcubMeterToteaspoon(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

teaspoon

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterToteaspoon(10)

---

NISTcubMeterTOtonRegister

*Convert cubic meter to ton, register*

---

**Description**

NISTcubMeterTOtonRegister converts from cubic meter (m3) to ton, register

**Usage**

NISTcubMeterTOtonRegister(cubMeter)

**Arguments**

cubMeter          cubic meter (m3)

**Value**

ton, register

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMeterTOtonRegister(10)

---

NISTcubMileTOcubMeter *Convert cubic mile to cubic meter*

---

**Description**

NISTcubMileTOcubMeter converts from cubic mile (mi<sup>3</sup>) to cubic meter (m<sup>3</sup>)

**Usage**

NISTcubMileTOcubMeter(cubMile)

**Arguments**

cubMile          cubic mile (mi<sup>3</sup>)

**Value**

cubic meter (m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubMileTOcubMeter(10)

---

NISTcubYardPerMinTOcubMeterPerSec

*Convert cubic yard per minute to cubic meter per second*

---

**Description**

NISTcubYardPerMinTOcubMeterPerSec converts from cubic yard per minute (yd<sup>3</sup>/min) to cubic meter per second (m<sup>3</sup>/s)

**Usage**

NISTcubYardPerMinTOcubMeterPerSec(cubYardPerMin)

**Arguments**

cubYardPerMin    cubic yard per minute (yd<sup>3</sup>/min)

**Value**

cubic meter per second (m<sup>3</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubYardPerMinTOcubMeterPerSec(10)

---

NISTcubYardTOcubMeter *Convert cubic yard to cubic meter*

---

**Description**

NISTcubYardTOcubMeter converts from cubic yard (yd3) to cubic meter (m3)

**Usage**

NISTcubYardTOcubMeter(cubYard)

**Arguments**

cubYard          cubic yard (yd3)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcubYardTOcubMeter(10)

---

NISTcupTOcubMeter	<i>Convert cup to cubic meter</i>
-------------------	-----------------------------------

---

**Description**

NISTcupTOcubMeter converts from cup (U.S.) to cubic meter (m3)

**Usage**

NISTcupTOcubMeter(cup)

**Arguments**

cup                  cup (U.S.)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcupTOcubMeter(10)

---

NISTcupToliter	<i>Convert cup to liter</i>
----------------	-----------------------------

---

**Description**

NISTcupToliter converts from cup (U.S.) to liter (L)

**Usage**

NISTcupToliter(cup)

**Arguments**

cup	cup (U.S.)
-----	------------

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcupToliter(10)



---

NISTcupT0m1	<i>Convert cup to milliliter</i>
-------------	----------------------------------

---

**Description**

NISTcupT0m1 converts from cup (U.S.) to milliliter (mL)

**Usage**

NISTcupT0m1(cup)

**Arguments**

cup                  cup (U.S.)

**Value**

milliliter (mL)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcupT0m1(10)

---

NISTcurieTObecquerel *Convert curie to becquerel*

---

**Description**

NISTcurieTObecquerel converts from curie (Ci) to becquerel (Bq)

**Usage**

NISTcurieTObecquerel(curie)

**Arguments**

curie            curie (Ci)

**Value**

becquerel (Bq)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTcurieTObecquerel(10)

---

NISTdarcyTometerSqr *Convert darcy 14 to meter squared*

---

**Description**

NISTdarcyTometerSqr converts from darcy 14 to meter squared (m2)

**Usage**

NISTdarcyTometerSqr(darcy)

**Arguments**

darcy            darcy 14

**Value**

meter squared (m2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdarcyTometerSqr(10)

---

NISTdaySiderealTOsec *Convert day to second*

---

**Description**

NISTdaySiderealTOsec converts from day (sidereal) to second (s)

**Usage**

NISTdaySiderealTOsec(daySidereal)

**Arguments**

daySidereal     day (sidereal)

**Value**

second (s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdaySiderealTOsec(10)

---

NISTdayTOsec	<i>Convert day to second</i>
--------------	------------------------------

---

**Description**

NISTdayTOsec converts from day (d) to second (s)

**Usage**

NISTdayTOsec(day)

**Arguments**

day                    day (d)

**Value**

second (s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdayTOsec(10)

---

NISTdebyeTOcoulombMeter

*Convert debye to coulomb meter*

---

**Description**

NISTdebyeTOcoulombMeter converts from debye (D) to coulomb meter (C \* m)

**Usage**

NISTdebyeTOcoulombMeter(debye)

**Arguments**

debye            debye (D)

**Value**

coulomb meter (C \* m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdebyeTOcoulombMeter(10)

---

NISTdegCentigradeTOdegC

*Convert degree centigrade 15 to degree Celsius*

---

**Description**

NISTdegCentigradeTOdegC converts from degree centigrade (temperature interval) 15 to degree Celsius (C)

**Usage**

NISTdegCentigradeTOdegC(degCentigrade)

**Arguments**

degCentigrade    degree centigrade (temperature interval) 15

**Value**

degree Celsius (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegCentigradeTOdegC(10)

---

NISTdegCentigradeTOdegCinterval

*Convert degree centigrade temperature interval to degree Celsius*

---

**Description**

NISTdegCentigradeTOdegCinterval converts from degree centigrade (temperature interval) to degree Celsius (C)

**Usage**

NISTdegCentigradeTOdegCinterval(degCentigrade)

**Arguments**

degCentigrade    degree centigrade (temperature interval)

**Value**

degree Celsius (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegCentigradeTOdegCinterval(10)



---

NISTdegCtOdegCentigrade

*Convert degree Celsius to degree centigrade 15*

---

**Description**

NISTdegCtOdegCentigrade converts from degree Celsius (C) to degree centigrade (temperature interval) 15

**Usage**

NISTdegCtOdegCentigrade(degC)

**Arguments**

degC            degree Celsius (C)

**Value**

degree centigrade (temperature interval) 15

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegCtOdegCentigrade(10)

NISTdegCtOdegCentigradeInterval

*Convert degree Celsius temperature interval to degree centigrade*

---

**Description**

NISTdegCtOdegCentigradeInterval converts from degree Celsius (C) to degree centigrade (temperature interval)

**Usage**

NISTdegCtOdegCentigradeInterval(degC)

**Arguments**

degC                    degree Celsius (C)

**Value**

degree centigrade (temperature interval)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegCtOdegCentigradeInterval(10)

---

NISTdegCtOdegF	<i>Convert degree Celsius to degree Fahrenheit</i>
----------------	--

---

**Description**

NISTdegCtOdegF converts from degree Celsius (C) to degree Fahrenheit (temperature interval) (F)

**Usage**

NISTdegCtOdegF(degC)

**Arguments**

degC            degree Celsius (C)

**Value**

degree Fahrenheit (temperature interval) (F)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegCtOdegF(10)

NISTdegCtOdegFinterval

*Convert degree Celsius temperature interval to degree Fahrenheit*

---

**Description**

NISTdegCtOdegFinterval converts from degree Celsius (C) to degree Fahrenheit (temperature interval) (F)

**Usage**

NISTdegCtOdegFinterval(degC)

**Arguments**

degC                    degree Celsius (C)

**Value**

degree Fahrenheit (temperature interval) (F)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegCtOdegFinterval(10)

---

NISTdegCtOk	<i>Convert degree Celsius to kelvin</i>
-------------	---

---

**Description**

NISTdegCtOk converts from degree Celsius (C) to kelvin (K)

**Usage**

NISTdegCtOk(degC)

**Arguments**

degC            degree Celsius (C)

**Value**

kelvin (K)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegCtOk(10)

---

NISTdegCtOkInterval    *Convert degree Celsius temperature interval to kelvin*

---

**Description**

NISTdegCtOkInterval converts from degree Celsius (C) to kelvin (temperature interval K)

**Usage**

NISTdegCtOkInterval(degC)

**Arguments**

degC                    degree Celsius (C)

**Value**

kelvin (K)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegCtOkInterval(10)

---

NISTdegFHourPerUkThUnITtOkPerWatt

*Convert degree Fahrenheit hour per British thermal unitIT to kelvin per watt*

---

### Description

NISTdegFHourPerUkThUnITtOkPerWatt converts from degree Fahrenheit hour per British thermal unitIT ( $F \cdot h/BtuIT$ ) to kelvin per watt ( $K/W$ )

### Usage

NISTdegFHourPerUkThUnITtOkPerWatt(degFHourPerUkThUnIT)

### Arguments

degFHourPerUkThUnIT  
degree Fahrenheit hour per British thermal unitIT ( $F \cdot h/BtuIT$ )

### Value

kelvin per watt ( $K/W$ )

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTdegFHourPerUkThUnITtOkPerWatt(10)

---

NISTdegFHourPerUkThUnthTOkPerWatt

*Convert degree Fahrenheit hour per British thermal unitth to kelvin per watt*

---

### Description

NISTdegFHourPerUkThUnthTOkPerWatt converts from degree Fahrenheit hour per British thermal unitth (F \* h/Btuth) to kelvin per watt (K/W)

### Usage

NISTdegFHourPerUkThUnthTOkPerWatt(degFHourPerUkThUnth)

### Arguments

degFHourPerUkThUnth  
degree Fahrenheit hour per British thermal unitth (F \* h/Btuth)

### Value

kelvin per watt (K/W)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTdegFHourPerUkThUnthTOkPerWatt(10)



---

NISTdegFHourSqrFtPerUkThUnITInchTOmeterKPerWatt

*Convert degree Fahrenheit hour square foot per British thermal unitIT inch to meter kelvin per watt*

---

### Description

NISTdegFHourSqrFtPerUkThUnITInchTOmeterKPerWatt converts from degree Fahrenheit hour square foot per British thermal unitIT inch [ $F * h * ft^2 / (BtuIT * in)$ ] to meter kelvin per watt ( $m * K/W$ )

### Usage

NISTdegFHourSqrFtPerUkThUnITInchTOmeterKPerWatt(degFHourSqrFtPerUkThUnITInch)

### Arguments

degFHourSqrFtPerUkThUnITInch

degree Fahrenheit hour square foot per British thermal unitIT inch [ $F * h * ft^2 / (BtuIT * in)$ ]

### Value

meter kelvin per watt ( $m * K/W$ )

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTdegFHourSqrFtPerUkThUnITInchTOmeterKPerWatt(10)

---

NISTdegFHourSqrFtPerUkThUnITtOsqrMeterKPerWatt

*Convert degree Fahrenheit hour square foot per British thermal unitIT to square meter kelvin per watt*

---

### Description

NISTdegFHourSqrFtPerUkThUnITtOsqrMeterKPerWatt converts from degree Fahrenheit hour square foot per British thermal unitIT ( $F \cdot h \cdot ft^2/BtuIT$ ) to square meter kelvin per watt ( $m^2 \cdot K/W$ )

### Usage

NISTdegFHourSqrFtPerUkThUnITtOsqrMeterKPerWatt(degFHourSqrFtPerUkThUnIT)

### Arguments

degFHourSqrFtPerUkThUnIT  
degree Fahrenheit hour square foot per British thermal unitIT ( $F \cdot h \cdot ft^2/BtuIT$ )

### Value

square meter kelvin per watt ( $m^2 \cdot K/W$ )

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTdegFHourSqrFtPerUkThUnITtOsqrMeterKPerWatt(10)

---

NISTdegFHourSqrFtPerUkThUnthInchTOmeterKPerWatt

*Convert degree Fahrenheit hour square foot per British thermal unitth inch to meter kelvin per watt*

---

### Description

NISTdegFHourSqrFtPerUkThUnthInchTOmeterKPerWatt converts from degree Fahrenheit hour square foot per British thermal unitth inch [ $F * h * ft^2 / (Btuth * in)$ ] to meter kelvin per watt ( $m * K/W$ )

### Usage

NISTdegFHourSqrFtPerUkThUnthInchTOmeterKPerWatt(degFHourSqrFtPerUkThUnthInch)

### Arguments

degFHourSqrFtPerUkThUnthInch

degree Fahrenheit hour square foot per British thermal unitth inch [ $F * h * ft^2 / (Btuth * in)$ ]

### Value

meter kelvin per watt ( $m * K/W$ )

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTdegFHourSqrFtPerUkThUnthInchTOmeterKPerWatt(10)

---

NISTdegFHourSqrFtPerUkThUnthTOsqrMeterKPerWatt

*Convert degree Fahrenheit hour square foot per British thermal unitth to square meter kelvin per watt*

---

### Description

NISTdegFHourSqrFtPerUkThUnthTOsqrMeterKPerWatt converts from degree Fahrenheit hour square foot per British thermal unitth ( $F * h * ft^2/Btuth$ ) to square meter kelvin per watt ( $m^2 * K/W$ )

### Usage

NISTdegFHourSqrFtPerUkThUnthTOsqrMeterKPerWatt(degFHourSqrFtPerUkThUnth)

### Arguments

degFHourSqrFtPerUkThUnth  
degree Fahrenheit hour square foot per British thermal unitth ( $F * h * ft^2/Btuth$ )

### Value

square meter kelvin per watt ( $m^2 * K/W$ )

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTdegFHourSqrFtPerUkThUnthTOsqrMeterKPerWatt(10)

---

NISTdegFSecPerUkThUnITtOkPerWatt

*Convert degree Fahrenheit second per British thermal unitIT to kelvin per watt*

---

**Description**

NISTdegFSecPerUkThUnITtOkPerWatt converts from degree Fahrenheit second per British thermal unitIT ( $F * s/BtuIT$ ) to kelvin per watt ( $K/W$ )

**Usage**

NISTdegFSecPerUkThUnITtOkPerWatt(degFSecPerUkThUnIT)

**Arguments**

degFSecPerUkThUnIT  
degree Fahrenheit second per British thermal unitIT ( $F * s/BtuIT$ )

**Value**

kelvin per watt ( $K/W$ )

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegFSecPerUkThUnITtOkPerWatt(10)

---

NISTdegFSecPerUkThUnthTOkPerWatt

*Convert degree Fahrenheit second per British thermal unitth to kelvin per watt*

---

### Description

NISTdegFSecPerUkThUnthTOkPerWatt converts from degree Fahrenheit second per British thermal unitth ( $F * s/Btuth$ ) to kelvin per watt ( $K/W$ )

### Usage

NISTdegFSecPerUkThUnthTOkPerWatt(degFSecPerUkThUnth)

### Arguments

degFSecPerUkThUnth  
degree Fahrenheit second per British thermal unitth ( $F * s/Btuth$ )

### Value

kelvin per watt ( $K/W$ )

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTdegFSecPerUkThUnthTOkPerWatt(10)

---

NISTdegFtOdegC	<i>Convert degree Fahrenheit to degree Celsius</i>
----------------	--

---

**Description**

NISTdegFtOdegC converts from degree Fahrenheit (temperature interval) (F) to degree Celsius (C)

**Usage**

NISTdegFtOdegC(degF)

**Arguments**

degF                    degree Fahrenheit (temperature interval) (F)

**Value**

degree Celsius (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegFtOdegC(10)

---

NISTdegFtOdegCinterval

*Convert degree Fahrenheit temperature interval to degree Celsius*

---

**Description**

NISTdegFtOdegCinterval converts from degree Fahrenheit (temperature interval) (F) to degree Celsius (C)

**Usage**

NISTdegFtOdegCinterval(degF)

**Arguments**

degF            degree Fahrenheit (temperature interval) (F)

**Value**

degree Celsius (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegFtOdegCinterval(10)



---

`NISTdegFtOk`*Convert degree Fahrenheit to kelvin*

---

**Description**

NISTdegFtOk converts from degree Fahrenheit (temperature interval) (F) to kelvin (K)

**Usage**

`NISTdegFtOk(degF)`

**Arguments**

`degF` degree Fahrenheit (temperature interval) (F)

**Value**

kelvin (K)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

`NISTdegFtOk(10)`

---

NISTdegFtOkInterval     *Convert degree Fahrenheit temperature interval to kelvin*

---

**Description**

NISTdegFtOkInterval converts from degree Fahrenheit (temperature interval) (F) to kelvin (K)

**Usage**

NISTdegFtOkInterval(degF)

**Arguments**

degF                    degree Fahrenheit (temperature interval) (F)

**Value**

kelvin (K)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegFtOkInterval(10)

---

NISTdegRankineTOk	<i>Convert degree Rankine to kelvin</i>
-------------------	---

---

**Description**

NISTdegRankineTOk converts from degree Rankine (temperature interval) (R) to kelvin (K)

**Usage**

NISTdegRankineTOk(degRankine)

**Arguments**

degRankine      degree Rankine (temperature interval) (R)

**Value**

kelvin (K)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegRankineTOk(10)

---

NISTdegRankineTOkInterval

*Convert degree Rankine temperature interval to kelvin*

---

**Description**

NISTdegRankineTOkInterval converts from degree Rankine (temperature interval) (R) to kelvin (K)

**Usage**

NISTdegRankineTOkInterval(degRankine)

**Arguments**

degRankine      degree Rankine (temperature interval) (R)

**Value**

kelvin (K)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegRankineTOkInterval(10)

---

NISTdegTOgon	<i>Convert degree to gon</i>
--------------	------------------------------

---

**Description**

NISTdegTOgon converts from degree (angle) (°) to gon (also called grade) (gon)

**Usage**

NISTdegTOgon(deg)

**Arguments**

deg                    degree (angle) (°)

**Value**

gon (also called grade) (gon)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegTOgon(10)

---

NISTdegTOmil	<i>Convert degree to mil</i>
--------------	------------------------------

---

**Description**

NISTdegTOmil converts from degree () to mil (angle)

**Usage**

NISTdegTOmil(deg)

**Arguments**

deg                    degree ()

**Value**

mil (angle)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegTOmil(10)

---

NISTdegTOradian	<i>Convert degree to radian</i>
-----------------	---------------------------------

---

**Description**

NISTdegTOradian converts from degree (angle) (°) to radian (rad)

**Usage**

NISTdegTOradian(deg)

**Arguments**

deg                    degree (angle) (°)

**Value**

radian (rad)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdegTOradian(10)

---

NISTdenierTOgramPerMeter

*Convert denier to gram per meter*

---

**Description**

NISTdenierTOgramPerMeter converts from denier to gram per meter (g/m)

**Usage**

NISTdenierTOgramPerMeter(denier)

**Arguments**

denier            denier

**Value**

gram per meter (g/m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdenierTOgramPerMeter(10)



---

NISTdenierTOkgPerMeter

*Convert denier to kilogram per meter*

---

**Description**

NISTdenierTOkgPerMeter converts from denier to kilogram per meter (kg/m)

**Usage**

NISTdenierTOkgPerMeter(denier)

**Arguments**

denier            denier

**Value**

kilogram per meter (kg/m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdenierTOkgPerMeter(10)

---

NISTdyneCmTOnewtonMeter

*Convert dyne centimeter to newton meter*

---

**Description**

NISTdyneCmTOnewtonMeter converts from dyne centimeter (dyn \* cm) to newton meter (N \* m)

**Usage**

NISTdyneCmTOnewtonMeter (dyneCm)

**Arguments**

dyneCm          dyne centimeter (dyn \* cm)

**Value**

newton meter (N \* m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdyneCmTOnewtonMeter(10)

---

NISTdynePerSqrCmTOpascal

*Convert dyne per square centimeter to pascal*

---

**Description**

NISTdynePerSqrCmTOpascal converts from dyne per square centimeter (dyn/cm<sup>2</sup>) to pascal (Pa)

**Usage**

NISTdynePerSqrCmTOpascal(dynePerSqrCm)

**Arguments**

dynePerSqrCm    dyne per square centimeter (dyn/cm<sup>2</sup>)

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdynePerSqrCmTOpascal(10)

---

NISTdyneTOnewton	<i>Convert dyne to newton</i>
------------------	-------------------------------

---

**Description**

NISTdyneTOnewton converts from dyne (dyn) to newton (N)

**Usage**

NISTdyneTOnewton(dyne)

**Arguments**

dyne            dyne (dyn)

**Value**

newton (N)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTdyneTOnewton(10)

---

NISTelectronvoltTOjoule

*Convert electronvolt to joule*

---

**Description**

NISTelectronvoltTOjoule converts from electronvolt (eV) to joule (J)

**Usage**

NISTelectronvoltTOjoule(electronvolt)

**Arguments**

electronvolt    electronvolt (eV)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTelectronvoltTOjoule(10)

---

NISTEMUOfCapacitanceTOfarad

*Convert EMU of capacitance to farad*

---

**Description**

NISTEMUOfCapacitanceTOfarad converts from EMU of capacitance (abfarad) to farad (F)

**Usage**

NISTEMUOfCapacitanceTOfarad(EMUOfCapacitance)

**Arguments**

EMUOfCapacitance  
EMU of capacitance (abfarad)

**Value**

farad (F)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTEMUOfCapacitanceTOfarad(10)

---

NISTEMUOfCurrentTOampere

*Convert EMU of current to ampere*

---

**Description**

NISTEMUOfCurrentTOampere converts from EMU of current (abampere) to ampere (A)

**Usage**

NISTEMUOfCurrentTOampere(EMUOfCurrent)

**Arguments**

EMUOfCurrent    EMU of current (abampere)

**Value**

ampere (A)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTEMUOfCurrentTOampere(10)

---

NISTEMUOfElectricPotentialTOvolt

*Convert EMU of electric potential to volt*

---

**Description**

NISTEMUOfElectricPotentialTOvolt converts from EMU of electric potential (abvolt) to volt (V)

**Usage**

NISTEMUOfElectricPotentialTOvolt(EMUOfElectricPotential)

**Arguments**

EMUOfElectricPotential  
EMU of electric potential (abvolt)

**Value**

volt (V)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTEMUOfElectricPotentialTOvolt(10)



---

NISTEMUOfInductanceTOhenry

*Convert EMU of inductance to henry*

---

**Description**

NISTEMUOfInductanceTOhenry converts from EMU of inductance (abhenry) to henry (H)

**Usage**

NISTEMUOfInductanceTOhenry(EMUOfInductance)

**Arguments**

EMUOfInductance

EMU of inductance (abhenry)

**Value**

henry (H)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTEMUOfInductanceTOhenry(10)

---

NISTEMUOfResistanceTOohm

*Convert EMU of resistance to ohm*

---

**Description**

NISTEMUOfResistanceTOohm converts from EMU of resistance (abohm) to ohm (ohm)

**Usage**

NISTEMUOfResistanceTOohm(EMUOfResistance)

**Arguments**

EMUOfResistance  
EMU of resistance (abohm)

**Value**

ohm (ohm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTEMUOfResistanceTOohm(10)

---

NISTergPerSecTowatt    *Convert erg per second to watt*

---

**Description**

NISTergPerSecTowatt converts from erg per second (erg/s) to watt (W)

**Usage**

NISTergPerSecTowatt(ergPerSec)

**Arguments**

ergPerSec        erg per second (erg/s)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTergPerSecTowatt(10)

---

NISTergPerSqrCmSecTOwattPerSqrMeter

*Convert erg per square centimeter second to watt per square meter*

---

### **Description**

NISTergPerSqrCmSecTOwattPerSqrMeter converts from erg per square centimeter second [erg/(cm<sup>2</sup> \* s)] to watt per square meter (W/m<sup>2</sup>)

### **Usage**

NISTergPerSqrCmSecTOwattPerSqrMeter(ergPerSqrCmSec)

### **Arguments**

ergPerSqrCmSec erg per square centimeter second [erg/(cm<sup>2</sup> \* s)]

### **Value**

watt per square meter (W/m<sup>2</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTergPerSqrCmSecTOwattPerSqrMeter(10)

---

NISTergTOjoule	<i>Convert erg to joule</i>
----------------	-----------------------------

---

**Description**

NISTergTOjoule converts from erg (erg) to joule (J)

**Usage**

NISTergTOjoule(erg)

**Arguments**

erg                  erg (erg)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTergTOjoule(10)

---

NISTESUOfCapacitanceTOfarad

*Convert ESU of capacitance to farad*

---

**Description**

NISTESUOfCapacitanceTOfarad converts from ESU of capacitance (statfarad) to farad (F)

**Usage**

NISTESUOfCapacitanceTOfarad(ESUOfCapacitance)

**Arguments**

ESUOfCapacitance  
ESU of capacitance (statfarad)

**Value**

farad (F)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTESUOfCapacitanceTOfarad(10)

---

NISTESUOfCurrentTOampere

*Convert ESU of current to ampere*

---

**Description**

NISTESUOfCurrentTOampere converts from ESU of current (statampere) to ampere (A)

**Usage**

NISTESUOfCurrentTOampere(ESUOfCurrent)

**Arguments**

ESUOfCurrent    ESU of current (statampere)

**Value**

ampere (A)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTESUOfCurrentTOampere(10)

---

NISTESUOfElectricPotentialTOvolt

*Convert ESU of electric potential to volt*

---

**Description**

NISTESUOfElectricPotentialTOvolt converts from ESU of electric potential (statvolt) to volt (V)

**Usage**

NISTESUOfElectricPotentialTOvolt(ESUOfElectricPotential)

**Arguments**

ESUOfElectricPotential  
ESU of electric potential (statvolt)

**Value**

volt (V)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTESUOfElectricPotentialTOvolt(10)



---

NISTESUOfInductanceTOhenry

*Convert ESU of inductance to henry*

---

**Description**

NISTESUOfInductanceTOhenry converts from ESU of inductance (stathenry) to henry (H)

**Usage**

NISTESUOfInductanceTOhenry(ESUOfInductance)

**Arguments**

ESUOfInductance

ESU of inductance (stathenry)

**Value**

henry (H)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTESUOfInductanceTOhenry(10)

---

NISTESUOfResistanceTOohm

*Convert ESU of resistance to ohm*

---

**Description**

NISTESUOfResistanceTOohm converts from ESU of resistance (statohm) to ohm (ohm)

**Usage**

NISTESUOfResistanceTOohm(ESUOfResistance)

**Arguments**

ESUOfResistance  
ESU of resistance (statohm)

**Value**

ohm (ohm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTESUOfResistanceTOohm(10)

---

NISTfaradayTOcoulomb *Convert faraday to coulomb*

---

**Description**

NISTfaradayTOcoulomb converts from faraday (based on carbon 12) to coulomb (C)

**Usage**

NISTfaradayTOcoulomb(faraday)

**Arguments**

faraday            faraday (based on carbon 12)

**Value**

coulomb (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfaradayTOcoulomb(10)

---

NISTfaradTOabfarad     *Convert farad to abfarad*

---

**Description**

NISTfaradTOabfarad converts from farad (F) to abfarad

**Usage**

NISTfaradTOabfarad(farad)

**Arguments**

farad            farad (F)

**Value**

abfarad

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfaradTOabfarad(10)

---

NISTfaradToEMUOfCapacitance  
*Convert farad to EMU of capacitance*

---

**Description**

NISTfaradToEMUOfCapacitance converts from farad (F) to EMU of capacitance (abfarad)

**Usage**

NISTfaradToEMUOfCapacitance(farad)

**Arguments**

farad            farad (F)

**Value**

EMU of capacitance (abfarad)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfaradToEMUOfCapacitance(10)

---

NISTfaradToESUOfCapacitance

*Convert farad to ESU of capacitance*

---

**Description**

NISTfaradToESUOfCapacitance converts from farad (F) to ESU of capacitance (statfarad)

**Usage**

NISTfaradToESUOfCapacitance(farad)

**Arguments**

farad            farad (F)

**Value**

ESU of capacitance (statfarad)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfaradToESUOfCapacitance(10)

---

NISTfaradTostatfarad *Convert farad to statfarad*

---

**Description**

NISTfaradTostatfarad converts from farad (F) to statfarad

**Usage**

NISTfaradTostatfarad(farad)

**Arguments**

farad            farad (F)

**Value**

statfarad

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfaradTostatfarad(10)

---

NISTfathomTOMeter      *Convert fathom 7 to meter*

---

**Description**

NISTfathomTOMeter converts from fathom (based on U.S. survey foot) 7 to meter (m)

**Usage**

NISTfathomTOMeter(fathom)

**Arguments**

fathom                  fathom (based on U.S. survey foot) 7

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfathomTOMeter(10)



---

NISTfemtometerTOfermi *Convert femtometer to fermi*

---

**Description**

NISTfemtometerTOfermi converts from femtometer (fm) to fermi

**Usage**

NISTfemtometerTOfermi(femtometer)

**Arguments**

femtometer      femtometer (fm)

**Value**

fermi

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfemtometerTOfermi(10)

---

NISTfermiTOfemtometer *Convert fermi to femtometer*

---

**Description**

NISTfermiTOfemtometer converts from fermi to femtometer (fm)

**Usage**

NISTfermiTOfemtometer(fermi)

**Arguments**

fermi            fermi

**Value**

femtometer (fm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfermiTOfemtometer(10)

---

NISTfermiTometer	<i>Convert fermi to meter</i>
------------------	-------------------------------

---

**Description**

NISTfermiTometer converts from fermi to meter (m)

**Usage**

NISTfermiTometer(fermi)

**Arguments**

fermi          fermi

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfermiTometer(10)

---

NISTfluidOunceTOcubMeter

*Convert fluid ounce to cubic meter*

---

**Description**

NISTfluidOunceTOcubMeter converts from fluid ounce (U.S.) (fl oz) to cubic meter (m3)

**Usage**

NISTfluidOunceTOcubMeter(fluidOunce)

**Arguments**

fluidOunce      fluid ounce (U.S.) (fl oz)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfluidOunceTOcubMeter(10)

---

NISTfluidOunceTOml      *Convert fluid ounce to milliliter*

---

**Description**

NISTfluidOunceTOml converts from fluid ounce (U.S.) (fl oz) to milliliter (mL)

**Usage**

NISTfluidOunceTOml(fluidOunce)

**Arguments**

fluidOunce      fluid ounce (U.S.) (fl oz)

**Value**

milliliter (mL)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfluidOunceTOml(10)

---

NISTfranklinTOcoulomb *Convert franklin to coulomb*

---

**Description**

NISTfranklinTOcoulomb converts from franklin (Fr) to coulomb (C)

**Usage**

NISTfranklinTOcoulomb(franklin)

**Arguments**

franklin      franklin (Fr)

**Value**

coulomb (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTfranklinTOcoulomb(10)

---

NISTft4thPowerTOMeter4thPower

*Convert foot to the fourth power 16 to meter to the fourth power*

---

**Description**

NISTft4thPowerTOMeter4thPower converts from foot to the fourth power (ft4) 16 to meter to the fourth power (m4)

**Usage**

NISTft4thPowerTOMeter4thPower(ft4thPower)

**Arguments**

ft4thPower      foot to the fourth power (ft4) 16

**Value**

meter to the fourth power (m4)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTft4thPowerTOMeter4thPower(10)

NISTftcandleTOlux      *Convert footcandle to lux*

---

**Description**

NISTftcandleTOlux converts from footcandle to lux (lx)

**Usage**

NISTftcandleTOlux(ftcandle)

**Arguments**

ftcandle      footcandle

**Value**

lux (lx)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftcandleTOlux(10)



---

NISTftLambertTOcandelaPerSqrMeter

*Convert footlambert to candela per square meter*

---

**Description**

NISTftLambertTOcandelaPerSqrMeter converts from footlambert to candela per square meter (cd/m<sup>2</sup>)

**Usage**

NISTftLambertTOcandelaPerSqrMeter(ftLambert)

**Arguments**

ftLambert      footlambert

**Value**

candela per square meter (cd/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftLambertTOcandelaPerSqrMeter(10)

---

NISTftOfMercuryConvtnlT0kpasca1

*Convert foot of mercury, conventional 12 to kilopascal*

---

**Description**

NISTftOfMercuryConvtnlT0kpasca1 converts from foot of mercury, conventional (ftHg) 12 to kilopascal (kPa)

**Usage**

NISTftOfMercuryConvtnlT0kpasca1(ftOfMercuryConvtnl)

**Arguments**

ftOfMercuryConvtnl  
foot of mercury, conventional (ftHg) 12

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftOfMercuryConvtnlT0kpasca1(10)

---

NISTftOfMercuryConvtnlTOpascal

*Convert foot of mercury, conventional 12 to pascal*

---

**Description**

NISTftOfMercuryConvtnlTOpascal converts from foot of mercury, conventional (ftHg) 12 to pascal (Pa)

**Usage**

NISTftOfMercuryConvtnlTOpascal(ftOfMercuryConvtnl)

**Arguments**

ftOfMercuryConvtnl  
foot of mercury, conventional (ftHg) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftOfMercuryConvtnlTOpascal(10)

---

NISTftOfWaterConvtnlT0kpasca1

*Convert foot of water, conventional 12 to kilopascal*

---

### **Description**

NISTftOfWaterConvtnlT0kpasca1 converts from foot of water, conventional (ftH2O) 12 to kilopascal (kPa)

### **Usage**

NISTftOfWaterConvtnlT0kpasca1(ftOfWaterConvtnl)

### **Arguments**

ftOfWaterConvtnl  
foot of water, conventional (ftH2O) 12

### **Value**

kilopascal (kPa)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTftOfWaterConvtnlT0kpasca1(10)

---

NISTftOfWaterConvtnlTOpascal

*Convert foot of water, conventional 12 to pascal*

---

**Description**

NISTftOfWaterConvtnlTOpascal converts from foot of water, conventional (ftH2O) 12 to pascal (Pa)

**Usage**

NISTftOfWaterConvtnlTOpascal(ftOfWaterConvtnl)

**Arguments**

ftOfWaterConvtnl  
foot of water, conventional (ftH2O) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftOfWaterConvtnlTOpascal(10)

---

NISTftOfWaterTOkpasca

*Convert foot of water 12 to kilopascal*

---

**Description**

NISTftOfWaterTOkpasca converts from foot of water (39.2 F) 12 to kilopascal (kPa)

**Usage**

NISTftOfWaterTOkpasca(ftOfWater)

**Arguments**

ftOfWater      foot of water (39.2 F) 12

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftOfWaterTOkpasca(10)

---

NISTftOfWaterTOpascal *Convert foot of water 12 to pascal*

---

**Description**

NISTftOfWaterTOpascal converts from foot of water (39.2 F) 12 to pascal (Pa)

**Usage**

NISTftOfWaterTOpascal(ftOfWater)

**Arguments**

ftOfWater      foot of water (39.2 F) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftOfWaterTOpascal(10)

---

NISTftPerHourTOMeterPerSec

*Convert foot per hour to meter per second*

---

**Description**

NISTftPerHourTOMeterPerSec converts from foot per hour (ft/h) to meter per second (m/s)

**Usage**

NISTftPerHourTOMeterPerSec(ftPerHour)

**Arguments**

ftPerHour      foot per hour (ft/h)

**Value**

meter per second (m/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftPerHourTOMeterPerSec(10)



---

NISTftPerMinTOmeterPerSec

*Convert foot per minute to meter per second*

---

**Description**

NISTftPerMinTOmeterPerSec converts from foot per minute (ft/min) to meter per second (m/s)

**Usage**

NISTftPerMinTOmeterPerSec(ftPerMin)

**Arguments**

ftPerMin          foot per minute (ft/min)

**Value**

meter per second (m/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftPerMinTOmeterPerSec(10)

---

NISTftPerSecSqrDTOMeterPerSecSqrD

*Convert foot per second squared to meter per second squared*

---

**Description**

NISTftPerSecSqrDTOMeterPerSecSqrD converts from foot per second squared (ft/s<sup>2</sup>) to meter per second squared (m/s<sup>2</sup>)

**Usage**

NISTftPerSecSqrDTOMeterPerSecSqrD(ftPerSecSqrD)

**Arguments**

ftPerSecSqrD     foot per second squared (ft/s<sup>2</sup>)

**Value**

meter per second squared (m/s<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftPerSecSqrDTOMeterPerSecSqrD(10)

---

NISTftPerSecTOMeterPerSec

*Convert foot per second to meter per second*

---

**Description**

NISTftPerSecTOMeterPerSec converts from foot per second (ft/s) to meter per second (m/s)

**Usage**

NISTftPerSecTOMeterPerSec(ftPerSec)

**Arguments**

ftPerSec          foot per second (ft/s)

**Value**

meter per second (m/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftPerSecTOMeterPerSec(10)

---

NISTftPoundalTOjoule    *Convert foot poundal to joule*

---

**Description**

NISTftPoundalTOjoule converts from foot poundal to joule (J)

**Usage**

NISTftPoundalTOjoule(ftPoundal)

**Arguments**

ftPoundal        foot poundal

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftPoundalTOjoule(10)

---

NISTftPoundForcePerHourTOwatt

*Convert foot pound-force per hour to watt*

---

### **Description**

NISTftPoundForcePerHourTOwatt converts from foot pound-force per hour (ft \* lbf/h) to watt (W)

### **Usage**

NISTftPoundForcePerHourTOwatt(ftPoundForcePerHour)

### **Arguments**

ftPoundForcePerHour  
foot pound-force per hour (ft \* lbf/h)

### **Value**

watt (W)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTftPoundForcePerHourTOwatt(10)

---

NISTftPoundForcePerMinTOWatt

*Convert foot pound-force per minute to watt*

---

### **Description**

NISTftPoundForcePerMinTOWatt converts from foot pound-force per minute (ft \* lbf/min) to watt (W)

### **Usage**

NISTftPoundForcePerMinTOWatt(ftPoundForcePerMin)

### **Arguments**

ftPoundForcePerMin  
foot pound-force per minute (ft \* lbf/min)

### **Value**

watt (W)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTftPoundForcePerMinTOWatt(10)

---

NISTftPoundForcePerSecTowatt

*Convert foot pound-force per second to watt*

---

### Description

NISTftPoundForcePerSecTowatt converts from foot pound-force per second (ft \* lbf/s) to watt (W)

### Usage

NISTftPoundForcePerSecTowatt(ftPoundForcePerSec)

### Arguments

ftPoundForcePerSec  
foot pound-force per second (ft \* lbf/s)

### Value

watt (W)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTftPoundForcePerSecTowatt(10)

---

NISTftPoundForceTOjoule

*Convert foot pound-force to joule*

---

**Description**

NISTftPoundForceTOjoule converts from foot pound-force (ft \* lbf) to joule (J)

**Usage**

NISTftPoundForceTOjoule(ftPoundForce)

**Arguments**

ftPoundForce    foot pound-force (ft \* lbf)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftPoundForceTOjoule(10)



---

NISTftTometer	<i>Convert foot to meter</i>
---------------	------------------------------

---

**Description**

NISTftTometer converts from foot (ft) to meter (m)

**Usage**

NISTftTometer(ft)

**Arguments**

ft	foot (ft)
----	-----------

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftTometer(10)

---

NISTftUSsurveyTOMeter *Convert foot 7 to meter*

---

**Description**

NISTftUSsurveyTOMeter converts from foot (U.S. survey) (ft) 7 to meter (m)

**Usage**

NISTftUSsurveyTOMeter(ftUSsurvey)

**Arguments**

ftUSsurvey      foot (U.S. survey) (ft) 7

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTftUSsurveyTOMeter(10)

---

NISTgallonImperialTOcubMeter

*Convert gallon to cubic meter*

---

**Description**

NISTgallonImperialTOcubMeter converts from gallon [Canadian and U.K. (Imperial)] (gal) to cubic meter (m3)

**Usage**

NISTgallonImperialTOcubMeter(gallonImperial)

**Arguments**

gallonImperial gallon [Canadian and U.K. (Imperial)] (gal)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgallonImperialTOcubMeter(10)

---

NISTgallonImperialToliter

*Convert gallon to liter*

---

**Description**

NISTgallonImperialToliter converts from gallon [Canadian and U.K. (Imperial)] (gal) to liter (L)

**Usage**

NISTgallonImperialToliter(gallonImperial)

**Arguments**

gallonImperial gallon [Canadian and U.K. (Imperial)] (gal)

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgallonImperialToliter(10)

---

NISTgallonPerDayTOcubMeterPerSec

*Convert gallon per day to cubic meter per second*

---

**Description**

NISTgallonPerDayTOcubMeterPerSec converts from gallon (U.S.) per day (gal/d) to cubic meter per second (m<sup>3</sup>/s)

**Usage**

NISTgallonPerDayTOcubMeterPerSec(gallonPerDay)

**Arguments**

gallonPerDay    gallon (U.S.) per day (gal/d)

**Value**

cubic meter per second (m<sup>3</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgallonPerDayTOcubMeterPerSec(10)

---

NISTgallonPerDayToliterPerSec

*Convert gallon per day to liter per second*

---

**Description**

NISTgallonPerDayToliterPerSec converts from gallon (U.S.) per day (gal/d) to liter per second (L/s)

**Usage**

NISTgallonPerDayToliterPerSec(gallonPerDay)

**Arguments**

gallonPerDay    gallon (U.S.) per day (gal/d)

**Value**

liter per second (L/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgallonPerDayToliterPerSec(10)

---

NISTgallonPerHorsepowerHourTOcubMeterPerJoule

*Convert gallon per horsepower hour to cubic meter per joule*

---

**Description**

NISTgallonPerHorsepowerHourTOcubMeterPerJoule converts from gallon (U.S.) per horsepower hour [gal/(hp \* h)] to cubic meter per joule (m<sup>3</sup>/J)

**Usage**

NISTgallonPerHorsepowerHourTOcubMeterPerJoule(gallonPerHorsepowerHour)

**Arguments**

gallonPerHorsepowerHour  
gallon (U.S.) per horsepower hour [gal/(hp \* h)]

**Value**

cubic meter per joule (m<sup>3</sup>/J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgallonPerHorsepowerHourTOcubMeterPerJoule(10)

---

NISTgallonPerHorsepowerHourTOliterPerJoule

*Convert gallon per horsepower hour to liter per joule*

---

### Description

NISTgallonPerHorsepowerHourTOliterPerJoule converts from gallon (U.S.) per horsepower hour [gal/(hp \* h)] to liter per joule (L/J)

### Usage

```
NISTgallonPerHorsepowerHourTOliterPerJoule(gallonPerHorsepowerHour)
```

### Arguments

```
gallonPerHorsepowerHour  
    gallon (U.S.) per horsepower hour [gal/(hp * h)]
```

### Value

liter per joule (L/J)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

```
NISTgallonPerHorsepowerHourTOliterPerJoule(10)
```



---

NISTgallonPerMinTOcubMeterPerSec

*Convert gallon per minute to cubic meter per second*

---

**Description**

NISTgallonPerMinTOcubMeterPerSec converts from gallon (U.S.) per minute (gpm) (gal/min) to cubic meter per second (m<sup>3</sup>/s)

**Usage**

NISTgallonPerMinTOcubMeterPerSec(gallonPerMin)

**Arguments**

gallonPerMin    gallon (U.S.) per minute (gpm) (gal/min)

**Value**

cubic meter per second (m<sup>3</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgallonPerMinTOcubMeterPerSec(10)

---

NISTgallonPerMinToliterPerSec

*Convert gallon per minute to liter per second*

---

**Description**

NISTgallonPerMinToliterPerSec converts from gallon (U.S.) per minute (gpm) (gal/min) to liter per second (L/s)

**Usage**

NISTgallonPerMinToliterPerSec(gallonPerMin)

**Arguments**

gallonPerMin    gallon (U.S.) per minute (gpm) (gal/min)

**Value**

liter per second (L/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgallonPerMinToliterPerSec(10)

---

NISTgallonTOcubMeter *Convert gallon to cubic meter*

---

**Description**

NISTgallonTOcubMeter converts from gallon (U.S.) (gal) to cubic meter (m3)

**Usage**

NISTgallonTOcubMeter(gallon)

**Arguments**

gallon                  gallon (U.S.) (gal)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgallonTOcubMeter(10)

---

NISTgallonToliter      *Convert gallon to liter*

---

**Description**

NISTgallonToliter converts from gallon (U.S.) (gal) to liter (L)

**Usage**

NISTgallonToliter(gallon)

**Arguments**

gallon                  gallon (U.S.) (gal)

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgallonToliter(10)

---

NISTgalTOMeterPerSecSqr

*Convert gal to meter per second squared*

---

**Description**

NISTgalTOMeterPerSecSqr converts from gal (Gal) to meter per second squared (m/s<sup>2</sup>)

**Usage**

NISTgalTOMeterPerSecSqr(gal)

**Arguments**

gal                    gal (Gal)

**Value**

meter per second squared (m/s<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgalTOMeterPerSecSqr(10)

---

NISTgammaTOtesla	<i>Convert gamma to tesla</i>
------------------	-------------------------------

---

**Description**

NISTgammaTOtesla converts from gamma (y) to tesla (T)

**Usage**

NISTgammaTOtesla(gamma)

**Arguments**

gamma	gamma (y)
-------	-----------

**Value**

tesla (T)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgammaTOtesla(10)

---

NISTgaussTOtesla	<i>Convert gauss to tesla</i>
------------------	-------------------------------

---

**Description**

NISTgaussTOtesla converts from gauss (Gs, G) to tesla (T)

**Usage**

NISTgaussTOtesla(gauss)

**Arguments**

gauss	gauss (Gs, G)
-------	---------------

**Value**

tesla (T)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgaussTOtesla(10)

---

NISTgilbertTOampere    *Convert gilbert to ampere*

---

**Description**

NISTgilbertTOampere converts from gilbert (Gi) to ampere (A)

**Usage**

NISTgilbertTOampere(gilbert)

**Arguments**

gilbert            gilbert (Gi)

**Value**

ampere (A)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgilbertTOampere(10)



---

NISTgillImperialTOcubMeter

*Convert gill to cubic meter*

---

**Description**

NISTgillImperialTOcubMeter converts from gill [Canadian and U.K. (Imperial)] (gi) to cubic meter (m3)

**Usage**

NISTgillImperialTOcubMeter(gillImperial)

**Arguments**

gillImperial    gill [Canadian and U.K. (Imperial)] (gi)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgillImperialTOcubMeter(10)

---

NISTgillImperialToliter

*Convert gill to liter*

---

**Description**

NISTgillImperialToliter converts from gill [Canadian and U.K. (Imperial)] (gi) to liter (L)

**Usage**

NISTgillImperialToliter(gillImperial)

**Arguments**

gillImperial    gill [Canadian and U.K. (Imperial)] (gi)

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgillImperialToliter(10)

---

NISTgillTOcubMeter      *Convert gill to cubic meter*

---

**Description**

NISTgillTOcubMeter converts from gill (U.S.) (gi) to cubic meter (m3)

**Usage**

NISTgillTOcubMeter(gill)

**Arguments**

gill                      gill (U.S.) (gi)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgillTOcubMeter(10)

---

NISTgillToliter      *Convert gill to liter*

---

**Description**

NISTgillToliter converts from gill (U.S.) (gi) to liter (L)

**Usage**

NISTgillToliter(gill)

**Arguments**

gill                  gill (U.S.) (gi)

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgillToliter(10)

---

NISTgonTOdeg	<i>Convert gon to degree</i>
--------------	------------------------------

---

**Description**

NISTgonTOdeg converts from gon (also called grade) (gon) to degree (angle) ()

**Usage**

NISTgonTOdeg(gon)

**Arguments**

gon                      gon (also called grade) (gon)

**Value**

degree (angle) ()

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgonTOdeg(10)

---

NISTgonTOradian	<i>Convert gon to radian</i>
-----------------	------------------------------

---

**Description**

NISTgonTOradian converts from gon (also called grade) (gon) to radian (rad)

**Usage**

NISTgonTOradian(gon)

**Arguments**

gon                    gon (also called grade) (gon)

**Value**

radian (rad)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgonTOradian(10)

---

NISTgrainPerGallonTOkgPerCubMeter

*Convert grain per gallon to kilogram per cubic meter*

---

**Description**

NISTgrainPerGallonTOkgPerCubMeter converts from grain per gallon (U.S.) (gr/gal) to kilogram per cubic meter (kg/m<sup>3</sup>)

**Usage**

NISTgrainPerGallonTOkgPerCubMeter(grainPerGallon)

**Arguments**

grainPerGallon grain per gallon (U.S.) (gr/gal)

**Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgrainPerGallonTOkgPerCubMeter(10)

---

NISTgrainPerGallonTOMilligramPerLiter

*Convert grain per gallon to milligram per liter*

---

**Description**

NISTgrainPerGallonTOMilligramPerLiter converts from grain per gallon (U.S.) (gr/gal) to milligram per liter (mg/L)

**Usage**

NISTgrainPerGallonTOMilligramPerLiter(grainPerGallon)

**Arguments**

grainPerGallon grain per gallon (U.S.) (gr/gal)

**Value**

milligram per liter (mg/L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgrainPerGallonTOMilligramPerLiter(10)



---

NISTgrainTOkg	<i>Convert grain to kilogram</i>
---------------	----------------------------------

---

**Description**

NISTgrainTOkg converts from grain (gr) to kilogram (kg)

**Usage**

NISTgrainTOkg(grain)

**Arguments**

grain            grain (gr)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgrainTOkg(10)

---

NISTgrainTOMilligram *Convert grain to milligram*

---

**Description**

NISTgrainTOMilligram converts from grain (gr) to milligram (mg)

**Usage**

NISTgrainTOMilligram(grain)

**Arguments**

grain            grain (gr)

**Value**

milligram (mg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgrainTOMilligram(10)

---

`NISTgramForcePerSqrCmTOpascal`*Convert gram-force per square centimeter to pascal*

---

**Description**

`NISTgramForcePerSqrCmTOpascal` converts from gram-force per square centimeter (gf/cm<sup>2</sup>) to pascal (Pa)

**Usage**

`NISTgramForcePerSqrCmTOpascal(gramForcePerSqrCm)`

**Arguments**

`gramForcePerSqrCm`  
gram-force per square centimeter (gf/cm<sup>2</sup>)

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

`NISTgramForcePerSqrCmTOpascal(10)`

---

NISTgramPerCubCmTOkgPerCubMeter

*Convert gram per cubic centimeter to kilogram per cubic meter*

---

**Description**

NISTgramPerCubCmTOkgPerCubMeter converts from gram per cubic centimeter (g/cm<sup>3</sup>) to kilogram per cubic meter (kg/m<sup>3</sup>)

**Usage**

NISTgramPerCubCmTOkgPerCubMeter(gramPerCubCm)

**Arguments**

gramPerCubCm    gram per cubic centimeter (g/cm<sup>3</sup>)

**Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgramPerCubCmTOkgPerCubMeter(10)

---

NISTgramPerLiterTOunceImperialPerGallon  
*Convert gram per liter to ounce per gallon*

---

**Description**

NISTgramPerLiterTOunceImperialPerGallon converts from gram per liter (g/L) to ounce (avoirdupois) per gallon [Canadian and U.K. (Imperial)] (oz/gal)

**Usage**

NISTgramPerLiterTOunceImperialPerGallon(gramPerLiter)

**Arguments**

gramPerLiter    gram per liter (g/L)

**Value**

ounce (avoirdupois) per gallon [Canadian and U.K. (Imperial)] (oz/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgramPerLiterTOunceImperialPerGallon(10)

---

NISTgramPerLiterTOuncePerGallon

*Convert gram per liter to ounce per gallon*

---

**Description**

NISTgramPerLiterTOuncePerGallon converts from gram per liter (g/L) to ounce (avoirdupois) per gallon (U.S.) (oz/gal)

**Usage**

NISTgramPerLiterTOuncePerGallon(gramPerLiter)

**Arguments**

gramPerLiter    gram per liter (g/L)

**Value**

ounce (avoirdupois) per gallon (U.S.) (oz/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgramPerLiterTOuncePerGallon(10)

---

NISTgramPerMeterTOdenier

*Convert gram per meter to denier*

---

**Description**

NISTgramPerMeterTOdenier converts from gram per meter (g/m) to denier

**Usage**

NISTgramPerMeterTOdenier(gramPerMeter)

**Arguments**

gramPerMeter    gram per meter (g/m)

**Value**

denier

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgramPerMeterTOdenier(10)

---

NISTgramTOcaratSI      *Convert gram to carat, metric*

---

**Description**

NISTgramTOcaratSI converts from gram (g) to carat, metric

**Usage**

NISTgramTOcaratSI(gram)

**Arguments**

gram                  gram (g)

**Value**

carat, metric

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgramTOcaratSI(10)



---

NISTgramTOunceAvoirdupois  
*Convert gram to ounce*

---

**Description**

NISTgramTOunceAvoirdupois converts from gram (g) to ounce (avoirdupois) (oz)

**Usage**

NISTgramTOunceAvoirdupois(gram)

**Arguments**

gram            gram (g)

**Value**

ounce (avoirdupois) (oz)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgramTOunceAvoirdupois(10)

---

NISTgramTOunceTroy    *Convert gram to ounce*

---

**Description**

NISTgramTOunceTroy converts from gram (g) to ounce (troy or apothecary) (oz)

**Usage**

NISTgramTOunceTroy(gram)

**Arguments**

gram                  gram (g)

**Value**

ounce (troy or apothecary) (oz)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgramTOunceTroy(10)

---

NISTgramTOpennyweight *Convert gram to pennyweight*

---

**Description**

NISTgramTOpennyweight converts from gram (g) to pennyweight (dwt)

**Usage**

NISTgramTOpennyweight(gram)

**Arguments**

gram                  gram (g)

**Value**

pennyweight (dwt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgramTOpennyweight(10)

---

NISTgramTOtonAssay     *Convert gram to ton, assay*

---

**Description**

NISTgramTOtonAssay converts from gram (g) to ton, assay (AT)

**Usage**

NISTgramTOtonAssay(gram)

**Arguments**

gram                  gram (g)

**Value**

ton, assay (AT)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgramTOtonAssay(10)

---

NISTgrayTOrad	<i>Convert gray to rad</i>
---------------	----------------------------

---

**Description**

NISTgrayTOrad converts from gray (Gy) to rad (absorbed dose) (rad)

**Usage**

NISTgrayTOrad(gray)

**Arguments**

gray            gray (Gy)

**Value**

rad (absorbed dose) (rad)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTgrayTOrad(10)

---

NISThectareTOsqrMeter *Convert hectare to square meter*

---

**Description**

NISThectareTOsqrMeter converts from hectare (ha) to square meter (m2)

**Usage**

NISThectareTOsqrMeter(hectare)

**Arguments**

hectare            hectare (ha)

**Value**

square meter (m2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThectareTOsqrMeter(10)

---

NISThenryTOabhenry      *Convert henry to abhenry*

---

**Description**

NISThenryTOabhenry converts from henry (H) to abhenry

**Usage**

NISThenryTOabhenry(henry)

**Arguments**

henry                  henry (H)

**Value**

abhenry

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThenryTOabhenry(10)

---

NISThenryToEMUOfInductance

*Convert henry to EMU of inductance*

---

**Description**

NISThenryToEMUOfInductance converts from henry (H) to EMU of inductance (abhenry)

**Usage**

NISThenryToEMUOfInductance(henry)

**Arguments**

henry            henry (H)

**Value**

EMU of inductance (abhenry)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThenryToEMUOfInductance(10)



---

NISThenryToESUOfInductance

*Convert henry to ESU of inductance*

---

**Description**

NISThenryToESUOfInductance converts from henry (H) to ESU of inductance (stathenry)

**Usage**

NISThenryToESUOfInductance(henry)

**Arguments**

henry            henry (H)

**Value**

ESU of inductance (stathenry)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThenryToESUOfInductance(10)

---

NISThenryTOstathenry *Convert henry to stathenry*

---

**Description**

NISThenryTOstathenry converts from henry (H) to stathenry

**Usage**

NISThenryTOstathenry(henry)

**Arguments**

henry            henry (H)

**Value**

stathenry

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThenryTOstathenry(10)

---

NISThorsepowerBoilerTOwatt  
*Convert horsepower to watt*

---

**Description**

NISThorsepowerBoilerTOwatt converts from horsepower (boiler) to watt (W)

**Usage**

NISThorsepowerBoilerTOwatt(horsepowerBoiler)

**Arguments**

horsepowerBoiler  
horsepower (boiler)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThorsepowerBoilerTOwatt(10)

---

NISThorsepowerElectricTOwatt  
*Convert horsepower to watt*

---

**Description**

NISThorsepowerElectricTOwatt converts from horsepower (electric) to watt (W)

**Usage**

NISThorsepowerElectricTOwatt(horsepowerElectric)

**Arguments**

horsepowerElectric  
horsepower (electric)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThorsepowerElectricTOwatt(10)

---

NISThorsepowerImperialTOwatt  
*Convert horsepower to watt*

---

**Description**

NISThorsepowerImperialTOwatt converts from horsepower (U.K.) to watt (W)

**Usage**

NISThorsepowerImperialTOwatt(horsepowerImperial)

**Arguments**

horsepowerImperial  
horsepower (U.K.)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThorsepowerImperialTOwatt(10)

---

NISThorsepowerSItoWatt

*Convert horsepower to watt*

---

**Description**

NISThorsepowerSItoWatt converts from horsepower (metric) to watt (W)

**Usage**

NISThorsepowerSItoWatt(horsepowerSI)

**Arguments**

horsepowerSI    horsepower (metric)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThorsepowerSItoWatt(10)

---

NISThorsepowerTOwatt *Convert horsepower to watt*

---

**Description**

NISThorsepowerTOwatt converts from horsepower (550 ft \* lbf/s) (hp) to watt (W)

**Usage**

NISThorsepowerTOwatt(horsepower)

**Arguments**

horsepower      horsepower (550 ft \* lbf/s) (hp)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThorsepowerTOwatt(10)

---

NISThorsepowerWaterTOwatt

*Convert horsepower to watt*

---

**Description**

NISThorsepowerWaterTOwatt converts from horsepower (water) to watt (W)

**Usage**

NISThorsepowerWaterTOwatt(horsepowerWater)

**Arguments**

horsepowerWater  
horsepower (water)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThorsepowerWaterTOwatt(10)



---

NISThourSiderealTOsec *Convert hour to second*

---

**Description**

NISThourSiderealTOsec converts from hour (sidereal) to second (s)

**Usage**

NISThourSiderealTOsec(hourSidereal)

**Arguments**

hourSidereal    hour (sidereal)

**Value**

second (s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThourSiderealTOsec(10)

---

NISThourTOsec	<i>Convert hour to second</i>
---------------	-------------------------------

---

**Description**

NISThourTOsec converts from hour (h) to second (s)

**Usage**

NISThourTOsec(hour)

**Arguments**

hour	hour (h)
------	----------

**Value**

second (s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThourTOsec(10)

---

NISThundredweightLongTOkg

*Convert hundredweight to kilogram*

---

**Description**

NISThundredweightLongTOkg converts from hundredweight (long, 112 lb) to kilogram (kg)

**Usage**

NISThundredweightLongTOkg(hundredweightLong)

**Arguments**

hundredweightLong  
hundredweight (long, 112 lb)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThundredweightLongTOkg(10)

---

NISThundredweightShortTOkg

*Convert hundredweight to kilogram*

---

**Description**

NISThundredweightShortTOkg converts from hundredweight (short, 100 lb) to kilogram (kg)

**Usage**

NISThundredweightShortTOkg(hundredweightShort)

**Arguments**

hundredweightShort  
hundredweight (short, 100 lb)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISThundredweightShortTOkg(10)

---

NISTinch4thPowerTOMeter4thPower

*Convert inch to the fourth power 16 to meter to the fourth power*

---

**Description**

NISTinch4thPowerTOMeter4thPower converts from inch to the fourth power (in<sup>4</sup>) 16 to meter to the fourth power (m<sup>4</sup>)

**Usage**

NISTinch4thPowerTOMeter4thPower(inch4thPower)

**Arguments**

inch4thPower    inch to the fourth power (in<sup>4</sup>) 16

**Value**

meter to the fourth power (m<sup>4</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTinch4thPowerTOMeter4thPower(10)

---

NISTInchOfMercury32Ft0kpasca1

*Convert inch of mercury 12 to kilopascal*

---

**Description**

NISTInchOfMercury32Ft0kpasca1 converts from inch of mercury (32 F) 12 to kilopascal (kPa)

**Usage**

NISTInchOfMercury32Ft0kpasca1(inchOfMercury32F)

**Arguments**

inchOfMercury32F  
inch of mercury (32 F) 12

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTInchOfMercury32Ft0kpasca1(10)

---

NISTInchOfMercury32FtOpascal

*Convert inch of mercury 12 to pascal*

---

**Description**

NISTInchOfMercury32FtOpascal converts from inch of mercury (32 F) 12 to pascal (Pa)

**Usage**

NISTInchOfMercury32FtOpascal(inchOfMercury32F)

**Arguments**

inchOfMercury32F  
inch of mercury (32 F) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTInchOfMercury32FtOpascal(10)

---

NISTInchOfMercury60Ft0kpasca1

*Convert inch of mercury 12 to kilopascal*

---

**Description**

NISTInchOfMercury60Ft0kpasca1 converts from inch of mercury (60 F) 12 to kilopascal (kPa)

**Usage**

NISTInchOfMercury60Ft0kpasca1(inchOfMercury60F)

**Arguments**

inchOfMercury60F  
inch of mercury (60 F) 12

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTInchOfMercury60Ft0kpasca1(10)



---

NISTInchOfMercury60FtOpascal

*Convert inch of mercury 12 to pascal*

---

**Description**

NISTInchOfMercury60FtOpascal converts from inch of mercury (60 F) 12 to pascal (Pa)

**Usage**

NISTInchOfMercury60FtOpascal(inchOfMercury60F)

**Arguments**

inchOfMercury60F  
inch of mercury (60 F) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTInchOfMercury60FtOpascal(10)

---

NISTInchOfMercuryConvtnlT0kpasca1

*Convert inch of mercury, conventional 12 to kilopascal*

---

**Description**

NISTInchOfMercuryConvtnlT0kpasca1 converts from inch of mercury, conventional (inHg) 12 to kilopascal (kPa)

**Usage**

NISTInchOfMercuryConvtnlT0kpasca1(inchOfMercuryConvtnl)

**Arguments**

inchOfMercuryConvtnl  
inch of mercury, conventional (inHg) 12

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTInchOfMercuryConvtnlT0kpasca1(10)

---

NISTInchOfMercuryConvtnlTOpascal

*Convert inch of mercury, conventional 12 to pascal*

---

**Description**

NISTInchOfMercuryConvtnlTOpascal converts from inch of mercury, conventional (inHg) 12 to pascal (Pa)

**Usage**

NISTInchOfMercuryConvtnlTOpascal(inchOfMercuryConvtnl)

**Arguments**

inchOfMercuryConvtnl  
inch of mercury, conventional (inHg) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTInchOfMercuryConvtnlTOpascal(10)

---

NISTInchOfWater39.2FtOpascal

*Convert inch of water 12 to pascal*

---

**Description**

NISTInchOfWater39.2FtOpascal converts from inch of water (39.2 F) 12 to pascal (Pa)

**Usage**

NISTInchOfWater39.2FtOpascal(inchOfWater39.2F)

**Arguments**

inchOfWater39.2F  
inch of water (39.2 F) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTInchOfWater39.2FtOpascal(10)

---

NISTInchOfWater60FtOpascal

*Convert inch of water 12 to pascal*

---

### **Description**

NISTInchOfWater60FtOpascal converts from inch of water (60 F) 12 to pascal (Pa)

### **Usage**

NISTInchOfWater60FtOpascal(inchOfWater60F)

### **Arguments**

inchOfWater60F inch of water (60 F) 12

### **Value**

pascal (Pa)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTInchOfWater60FtOpascal(10)

---

NISTInchOfWaterConvtnlToPascal

*Convert inch of water, conventional 12 to pascal*

---

**Description**

NISTInchOfWaterConvtnlToPascal converts from inch of water, conventional (inH2O) 12 to pascal (Pa)

**Usage**

NISTInchOfWaterConvtnlToPascal(inchOfWaterConvtnl)

**Arguments**

inchOfWaterConvtnl  
inch of water, conventional (inH2O) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTInchOfWaterConvtnlToPascal(10)

---

NISTInchPerSecSqrDTOMeterPerSecSqrD

*Convert inch per second squared to meter per second squared*

---

**Description**

NISTInchPerSecSqrDTOMeterPerSecSqrD converts from inch per second squared (in/s<sup>2</sup>) to meter per second squared (m/s<sup>2</sup>)

**Usage**

NISTInchPerSecSqrDTOMeterPerSecSqrD(inchPerSecSqrD)

**Arguments**

inchPerSecSqrD inch per second squared (in/s<sup>2</sup>)

**Value**

meter per second squared (m/s<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTInchPerSecSqrDTOMeterPerSecSqrD(10)

---

NISTinchPerSecTOMeterPerSec

*Convert inch per second to meter per second*

---

**Description**

NISTinchPerSecTOMeterPerSec converts from inch per second (in/s) to meter per second (m/s)

**Usage**

NISTinchPerSecTOMeterPerSec(inchPerSec)

**Arguments**

inchPerSec      inch per second (in/s)

**Value**

meter per second (m/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTinchPerSecTOMeterPerSec(10)



---

NISTinchTOcm	<i>Convert inch to centimeter</i>
--------------	-----------------------------------

---

**Description**

NISTinchTOcm converts from inch (in) to centimeter (cm)

**Usage**

NISTinchTOcm(inch)

**Arguments**

inch            inch (in)

**Value**

centimeter (cm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTinchTOcm(10)

---

NISTinchTOMeter	<i>Convert inch to meter</i>
-----------------	------------------------------

---

**Description**

NISTinchTOMeter converts from inch (in) to meter (m)

**Usage**

NISTinchTOMeter(inch)

**Arguments**

inch            inch (in)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTinchTOMeter(10)

---

NISTjoulePerCubMeterTOukThUnITPerCubFt

*Convert joule per cubic meter to British thermal unitIT per cubic foot*

---

### Description

NISTjoulePerCubMeterTOukThUnITPerCubFt converts from joule per cubic meter (J/m<sup>3</sup>) to British thermal unitIT per cubic foot (BtuIT/ft<sup>3</sup>)

### Usage

NISTjoulePerCubMeterTOukThUnITPerCubFt(joulePerCubMeter)

### Arguments

joulePerCubMeter  
joule per cubic meter (J/m<sup>3</sup>)

### Value

British thermal unitIT per cubic foot (BtuIT/ft<sup>3</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTjoulePerCubMeterTOukThUnITPerCubFt(10)

---

NISTjoulePerCubMeterTOukThUnthPerCubFt

*Convert joule per cubic meter to British thermal unith per cubic foot*

---

### Description

NISTjoulePerCubMeterTOukThUnthPerCubFt converts from joule per cubic meter (J/m<sup>3</sup>) to British thermal unith per cubic foot (Btuth/ft<sup>3</sup>)

### Usage

NISTjoulePerCubMeterTOukThUnthPerCubFt(joulePerCubMeter)

### Arguments

joulePerCubMeter  
joule per cubic meter (J/m<sup>3</sup>)

### Value

British thermal unith per cubic foot (Btuth/ft<sup>3</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTjoulePerCubMeterTOukThUnthPerCubFt(10)

---

NISTjoulePerKgKtOcalITPerGramDegC

*Convert joule per kilogram kelvin to calorieIT per gram degree Celsius*

---

**Description**

NISTjoulePerKgKtOcalITPerGramDegC converts from joule per kilogram kelvin [ $J/(kg * K)$ ] to calorieIT per gram degree Celsius [ $calIT/(g * C)$ ]

**Usage**

NISTjoulePerKgKtOcalITPerGramDegC(joulePerKgK)

**Arguments**

joulePerKgK      joule per kilogram kelvin [ $J/(kg * K)$ ]

**Value**

calorieIT per gram degree Celsius [ $calIT/(g * C)$ ]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjoulePerKgKtOcalITPerGramDegC(10)

---

NISTjoulePerKgKtOcalITPerGramK

*Convert joule per kilogram kelvin to calorieIT per gram kelvin*

---

**Description**

NISTjoulePerKgKtOcalITPerGramK converts from joule per kilogram kelvin [J/(kg \* K)] to calorieIT per gram kelvin [calIT/(g \* K)]

**Usage**

NISTjoulePerKgKtOcalITPerGramK(joulePerKgK)

**Arguments**

joulePerKgK      joule per kilogram kelvin [J/(kg \* K)]

**Value**

calorieIT per gram kelvin [calIT/(g \* K)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjoulePerKgKtOcalITPerGramK(10)

---

NISTjoulePerKgKtOcalthPerGramDegC

*Convert joule per kilogram kelvin to calorieth per gram degree Celsius*

---

**Description**

NISTjoulePerKgKtOcalthPerGramDegC converts from joule per kilogram kelvin [ $J/(kg * K)$ ] to calorieth per gram degree Celsius [ $calth/(g * C)$ ]

**Usage**

NISTjoulePerKgKtOcalthPerGramDegC(joulePerKgK)

**Arguments**

joulePerKgK      joule per kilogram kelvin [ $J/(kg * K)$ ]

**Value**

calorieth per gram degree Celsius [ $calth/(g * C)$ ]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjoulePerKgKtOcalthPerGramDegC(10)

---

NISTjoulePerKgKtOcalthPerGramK

*Convert joule per kilogram kelvin to calorieth per gram kelvin*

---

### Description

NISTjoulePerKgKtOcalthPerGramK converts from joule per kilogram kelvin [J/(kg \* K)] to calorieth per gram kelvin [calth/(g\* K)]

### Usage

NISTjoulePerKgKtOcalthPerGramK(joulePerKgK)

### Arguments

joulePerKgK     joule per kilogram kelvin [J/(kg \* K)]

### Value

calorieth per gram kelvin [calth/(g\* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTjoulePerKgKtOcalthPerGramK(10)



---

NISTjoulePerKgKtOukThUnITPerPoundDegF

*Convert joule per kilogram kelvin to British thermal unitIT per pound degree Fahrenheit*

---

### Description

NISTjoulePerKgKtOukThUnITPerPoundDegF converts from joule per kilogram kelvin [J/(kg \* K)] to British thermal unitIT per pound degree Fahrenheit [BtuIT/(lb \* F)]

### Usage

NISTjoulePerKgKtOukThUnITPerPoundDegF(joulePerKgK)

### Arguments

joulePerKgK      joule per kilogram kelvin [J/(kg \* K)]

### Value

British thermal unitIT per pound degree Fahrenheit [BtuIT/(lb \* F)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTjoulePerKgKtOukThUnITPerPoundDegF(10)

---

NISTjoulePerKgKtOukThUnITPerPoundDegRankine

*Convert joule per kilogram kelvin to British thermal unitIT per pound degree Rankine*

---

### Description

NISTjoulePerKgKtOukThUnITPerPoundDegRankine converts from joule per kilogram kelvin [J/(kg \* K)] to British thermal unitIT per pound degree Rankine [BtuIT/(lb \* R)]

### Usage

NISTjoulePerKgKtOukThUnITPerPoundDegRankine(joulePerKgK)

### Arguments

joulePerKgK     joule per kilogram kelvin [J/(kg \* K)]

### Value

British thermal unitIT per pound degree Rankine [BtuIT/(lb \* R)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTjoulePerKgKtOukThUnITPerPoundDegRankine(10)

---

NISTjoulePerKgKtOukThUnthPerPoundDegF

*Convert joule per kilogram kelvin to British thermal unith per pound degree Fahrenheit*

---

### Description

NISTjoulePerKgKtOukThUnthPerPoundDegF converts from joule per kilogram kelvin [J/(kg \* K)] to British thermal unith per pound degree Fahrenheit [Btuth/(lb \* F)]

### Usage

NISTjoulePerKgKtOukThUnthPerPoundDegF(joulePerKgK)

### Arguments

joulePerKgK      joule per kilogram kelvin [J/(kg \* K)]

### Value

British thermal unith per pound degree Fahrenheit [Btuth/(lb \* F)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTjoulePerKgKtOukThUnthPerPoundDegF(10)

---

NISTjoulePerKgKtOukThUnthPerPoundDegRankine

*Convert joule per kilogram kelvin to British thermal unith per pound degree Rankine*

---

### Description

NISTjoulePerKgKtOukThUnthPerPoundDegRankine converts from joule per kilogram kelvin [J/(kg \* K)] to British thermal unith per pound degree Rankine [Btuth/(lb \* R)]

### Usage

NISTjoulePerKgKtOukThUnthPerPoundDegRankine(joulePerKgK)

### Arguments

joulePerKgK     joule per kilogram kelvin [J/(kg \* K)]

### Value

British thermal unith per pound degree Rankine [Btuth/(lb \* R)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTjoulePerKgKtOukThUnthPerPoundDegRankine(10)

---

NISTjoulePerKgTOcalITPerGram

*Convert joule per kilogram to calorieIT per gram*

---

**Description**

NISTjoulePerKgTOcalITPerGram converts from joule per kilogram (J/kg) to calorieIT per gram (calIT/g)

**Usage**

NISTjoulePerKgTOcalITPerGram(joulePerKg)

**Arguments**

joulePerKg      joule per kilogram (J/kg)

**Value**

calorieIT per gram (calIT/g)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjoulePerKgTOcalITPerGram(10)

---

NISTjoulePerKgTOcalthPerGram

*Convert joule per kilogram to calorieth per gram*

---

**Description**

NISTjoulePerKgTOcalthPerGram converts from joule per kilogram (J/kg) to calorieth per gram (calth/g)

**Usage**

NISTjoulePerKgTOcalthPerGram(joulePerKg)

**Arguments**

joulePerKg      joule per kilogram (J/kg)

**Value**

calorieth per gram (calth/g)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjoulePerKgTOcalthPerGram(10)

---

NISTjoulePerKgTOukThUnITPerPound

*Convert joule per kilogram to British thermal unitIT per pound*

---

**Description**

NISTjoulePerKgTOukThUnITPerPound converts from joule per kilogram (J/kg) to British thermal unitIT per pound (BtuIT/lb)

**Usage**

NISTjoulePerKgTOukThUnITPerPound(joulePerKg)

**Arguments**

joulePerKg      joule per kilogram (J/kg)

**Value**

British thermal unitIT per pound (BtuIT/lb)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjoulePerKgTOukThUnITPerPound(10)

---

NISTjoulePerKgTOukThUnthPerPound

*Convert joule per kilogram to British thermal unith per pound*

---

### **Description**

NISTjoulePerKgTOukThUnthPerPound converts from joule per kilogram (J/kg) to British thermal unith per pound (Btuth/lb)

### **Usage**

NISTjoulePerKgTOukThUnthPerPound(joulePerKg)

### **Arguments**

joulePerKg      joule per kilogram (J/kg)

### **Value**

British thermal unith per pound (Btuth/lb)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTjoulePerKgTOukThUnthPerPound(10)



---

NISTjoulePerKtOukThUnITPerDegF

*Convert joule per kelvin to British thermal unitIT per degree Fahrenheit*

---

**Description**

NISTjoulePerKtOukThUnITPerDegF converts from joule per kelvin (J/K) to British thermal unitIT per degree Fahrenheit (BtuIT/F)

**Usage**

NISTjoulePerKtOukThUnITPerDegF(joulePerK)

**Arguments**

joulePerK      joule per kelvin (J/K)

**Value**

British thermal unitIT per degree Fahrenheit (BtuIT/F)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjoulePerKtOukThUnITPerDegF(10)

---

NISTjoulePerKtOukThUnITPerDegRankine

*Convert joule per kelvin to British thermal unitIT per degree Rankine*

---

### Description

NISTjoulePerKtOukThUnITPerDegRankine converts from joule per kelvin (J/K) to British thermal unitIT per degree Rankine (BtuIT/R)

### Usage

NISTjoulePerKtOukThUnITPerDegRankine(joulePerK)

### Arguments

joulePerK      joule per kelvin (J/K)

### Value

British thermal unitIT per degree Rankine (BtuIT/R)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTjoulePerKtOukThUnITPerDegRankine(10)

---

NISTjoulePerKtOukThUnthPerDegF

*Convert joule per kelvin to British thermal unitth per degree Fahrenheit*

---

### **Description**

NISTjoulePerKtOukThUnthPerDegF converts from joule per kelvin (J/K) to British thermal unitth per degree Fahrenheit (Btuth/F)

### **Usage**

NISTjoulePerKtOukThUnthPerDegF(joulePerK)

### **Arguments**

joulePerK      joule per kelvin (J/K)

### **Value**

British thermal unitth per degree Fahrenheit (Btuth/F)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTjoulePerKtOukThUnthPerDegF(10)

---

NISTjoulePerKtOukThUnthPerDegRankine

*Convert joule per kelvin to British thermal unitth per degree Rankine*

---

**Description**

NISTjoulePerKtOukThUnthPerDegRankine converts from joule per kelvin (J/K) to British thermal unitth per degree Rankine (Btuth/R)

**Usage**

NISTjoulePerKtOukThUnthPerDegRankine(joulePerK)

**Arguments**

joulePerK      joule per kelvin (J/K)

**Value**

British thermal unitth per degree Rankine (Btuth/R)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjoulePerKtOukThUnthPerDegRankine(10)

---

NISTjoulePerSqrMeterTOcalthPerSqrCm

*Convert joule per square meter to calorieth per square centimeter*

---

### **Description**

NISTjoulePerSqrMeterTOcalthPerSqrCm converts from joule per square meter (J/m<sup>2</sup>) to calorieth per square centimeter (calth/cm<sup>2</sup>)

### **Usage**

NISTjoulePerSqrMeterTOcalthPerSqrCm(joulePerSqrMeter)

### **Arguments**

joulePerSqrMeter  
joule per square meter (J/m<sup>2</sup>)

### **Value**

calorieth per square centimeter (calth/cm<sup>2</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTjoulePerSqrMeterTOcalthPerSqrCm(10)

NISTjoulePerSqrMeterTOlangley

*Convert joule per square meter to langley*

---

**Description**

NISTjoulePerSqrMeterTOlangley converts from joule per square meter (J/m<sup>2</sup>) to langley (calth/cm<sup>2</sup>)

**Usage**

NISTjoulePerSqrMeterTOlangley(joulePerSqrMeter)

**Arguments**

joulePerSqrMeter  
joule per square meter (J/m<sup>2</sup>)

**Value**

langley (calth/cm<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjoulePerSqrMeterTOlangley(10)

---

NISTjoulePerSqrMeterTOukThUnITPerSqrFt

*Convert joule per square meter to British thermal unitIT per square foot*

---

### Description

NISTjoulePerSqrMeterTOukThUnITPerSqrFt converts from joule per square meter (J/m<sup>2</sup>) to British thermal unitIT per square foot (BtuIT/ft<sup>2</sup>)

### Usage

NISTjoulePerSqrMeterTOukThUnITPerSqrFt(joulePerSqrMeter)

### Arguments

joulePerSqrMeter  
joule per square meter (J/m<sup>2</sup>)

### Value

British thermal unitIT per square foot (BtuIT/ft<sup>2</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTjoulePerSqrMeterTOukThUnITPerSqrFt(10)

---

NISTjoulePerSqrMeterTOukThUnthPerSqrFt

*Convert joule per square meter to British thermal unith per square foot*

---

### Description

NISTjoulePerSqrMeterTOukThUnthPerSqrFt converts from joule per square meter (J/m<sup>2</sup>) to British thermal unith per square foot (Btuth/ft<sup>2</sup>)

### Usage

NISTjoulePerSqrMeterTOukThUnthPerSqrFt(joulePerSqrMeter)

### Arguments

joulePerSqrMeter  
joule per square meter (J/m<sup>2</sup>)

### Value

British thermal unith per square foot (Btuth/ft<sup>2</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

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### Examples

NISTjoulePerSqrMeterTOukThUnthPerSqrFt(10)



---

NISTjouleTOcal	<i>Convert joule to calorie</i>
----------------	---------------------------------

---

**Description**

NISTjouleTOcal converts from joule (J) to calorie (cal) (mean)

**Usage**

NISTjouleTOcal(joule)

**Arguments**

joule            joule (J)

**Value**

calorie (cal) (mean)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOcal(10)

---

NISTjouleTOcal15C      *Convert joule to calorie*

---

**Description**

NISTjouleTOcal15C converts from joule (J) to calorie (15 C) (cal15)

**Usage**

NISTjouleTOcal15C(joule)

**Arguments**

joule                  joule (J)

**Value**

calorie (15 C) (cal15)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOcal15C(10)

---

NISTjouleTOcal20C      *Convert joule to calorie*

---

**Description**

NISTjouleTOcal20C converts from joule (J) to calorie (20 C) (cal20)

**Usage**

NISTjouleTOcal20C(joule)

**Arguments**

joule                  joule (J)

**Value**

calorie (20 C) (cal20)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOcal20C(10)

---

NISTjouleTOcalIT      *Convert joule to calorieIT 10*

---

**Description**

NISTjouleTOcalIT converts from joule (J) to calorieIT (calIT) 10

**Usage**

NISTjouleTOcalIT(joule)

**Arguments**

joule                  joule (J)

**Value**

calorieIT (calIT) 10

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOcalIT(10)

---

NISTjouleTOcalITKg      *Convert joule to calorieIT, kilogram 11*

---

**Description**

NISTjouleTOcalITKg converts from joule (J) to calorieIT, kilogram (nutrition) 11

**Usage**

NISTjouleTOcalITKg(joule)

**Arguments**

joule                  joule (J)

**Value**

calorieIT, kilogram (nutrition) 11

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOcalITKg(10)

---

NISTjouleTOcalKg      *Convert joule to calorie , kilogram 11*

---

**Description**

NISTjouleTOcalKg converts from joule (J) to calorie (mean), kilogram (nutrition) 11

**Usage**

NISTjouleTOcalKg(joule)

**Arguments**

joule                  joule (J)

**Value**

calorie (mean), kilogram (nutrition) 11

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOcalKg(10)

---

NISTjouleTOcalth	<i>Convert joule to calorieth 10</i>
------------------	--------------------------------------

---

**Description**

NISTjouleTOcalth converts from joule (J) to calorieth (calth) 10

**Usage**

NISTjouleTOcalth(joule)

**Arguments**

joule            joule (J)

**Value**

calorieth (calth) 10

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOcalth(10)

---

NISTjouleTOcalthKg     *Convert joule to calorieth , kilogram 11*

---

**Description**

NISTjouleTOcalthKg converts from joule (J) to calorieth , kilogram (nutrition) 11

**Usage**

NISTjouleTOcalthKg(joule)

**Arguments**

joule            joule (J)

**Value**

calorieth , kilogram (nutrition) 11

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOcalthKg(10)



---

NISTjouleTOelectronvolt

*Convert joule to electronvolt*

---

**Description**

NISTjouleTOelectronvolt converts from joule (J) to electronvolt (eV)

**Usage**

NISTjouleTOelectronvolt(joule)

**Arguments**

joule            joule (J)

**Value**

electronvolt (eV)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOelectronvolt(10)

---

NISTjouleTOerg	<i>Convert joule to erg</i>
----------------	-----------------------------

---

**Description**

NISTjouleTOerg converts from joule (J) to erg (erg)

**Usage**

NISTjouleTOerg(joule)

**Arguments**

joule          joule (J)

**Value**

erg (erg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOerg(10)

---

NISTjouleTOftPoundal *Convert joule to foot poundal*

---

**Description**

NISTjouleTOftPoundal converts from joule (J) to foot poundal

**Usage**

NISTjouleTOftPoundal(joule)

**Arguments**

joule            joule (J)

**Value**

foot poundal

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOftPoundal(10)

---

NISTjouleTOftPoundForce

*Convert joule to foot pound-force*

---

**Description**

NISTjouleTOftPoundForce converts from joule (J) to foot pound-force (ft \* lbf)

**Usage**

NISTjouleTOftPoundForce(joule)

**Arguments**

joule            joule (J)

**Value**

foot pound-force (ft \* lbf)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOftPoundForce(10)

---

NISTjouleTOkilocal      *Convert joule to kilocalorie*

---

**Description**

NISTjouleTOkilocal converts from joule (J) to kilocalorie (mean) (kcal)

**Usage**

NISTjouleTOkilocal(joule)

**Arguments**

joule                  joule (J)

**Value**

kilocalorie (mean) (kcal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOkilocal(10)

---

NISTjouleTOkilocalIT *Convert joule to kilocalorieIT*

---

**Description**

NISTjouleTOkilocalIT converts from joule (J) to kilocalorieIT (kcalIT)

**Usage**

NISTjouleTOkilocalIT(joule)

**Arguments**

joule            joule (J)

**Value**

kilocalorieIT (kcalIT)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOkilocalIT(10)

---

NISTjouleTOkilocalth *Convert joule to kilocalorieth*

---

**Description**

NISTjouleTOkilocalth converts from joule (J) to kilocalorieth (kcalth)

**Usage**

NISTjouleTOkilocalth(joule)

**Arguments**

joule            joule (J)

**Value**

kilocalorieth (kcalth)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOkilocalth(10)

---

NISTjouleTOkilowattHour

*Convert joule to kilowatt hour*

---

**Description**

NISTjouleTOkilowattHour converts from joule (J) to kilowatt hour (kW \* h)

**Usage**

NISTjouleTOkilowattHour(joule)

**Arguments**

joule            joule (J)

**Value**

kilowatt hour (kW \* h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOkilowattHour(10)



---

NISTjouleTOquad	<i>Convert joule to quad 11</i>
-----------------	---------------------------------

---

**Description**

NISTjouleTOquad converts from joule (J) to quad (10<sup>15</sup> BtuIT) 11

**Usage**

NISTjouleTOquad(joule)

**Arguments**

joule            joule (J)

**Value**

quad (10<sup>15</sup> BtuIT) 11

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOquad(10)

---

NISTjouleTOthermEC     *Convert joule to therm 24*

---

**Description**

NISTjouleTOthermEC converts from joule (J) to therm (EC) 24

**Usage**

NISTjouleTOthermEC(joule)

**Arguments**

joule            joule (J)

**Value**

therm (EC) 24

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOthermEC(10)

---

NISTjouleTOthermUS      *Convert joule to therm 24*

---

**Description**

NISTjouleTOthermUS converts from joule (J) to therm (U.S.) 24

**Usage**

NISTjouleTOthermUS(joule)

**Arguments**

joule                  joule (J)

**Value**

therm (U.S.) 24

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOthermUS(10)

---

NISTjouleTOtonOfTNT     *Convert joule to ton of TNT 25*

---

**Description**

NISTjouleTOtonOfTNT converts from joule (J) to ton of TNT (energy equivalent) 25

**Usage**

NISTjouleTOtonOfTNT(joule)

**Arguments**

joule            joule (J)

**Value**

ton of TNT (energy equivalent) 25

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOtonOfTNT(10)

---

NISTjouleTOukThUn      *Convert joule to British thermal unit*

---

**Description**

NISTjouleTOukThUn converts from joule (J) to British thermal unit (mean) (Btu)

**Usage**

NISTjouleTOukThUn(joule)

**Arguments**

joule                  joule (J)

**Value**

British thermal unit (mean) (Btu)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOukThUn(10)

---

NISTjouleTOukThUn39F *Convert joule to British thermal unit*

---

**Description**

NISTjouleTOukThUn39F converts from joule (J) to British thermal unit (39 F) (Btu)

**Usage**

NISTjouleTOukThUn39F(joule)

**Arguments**

joule            joule (J)

**Value**

British thermal unit (39 F) (Btu)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOukThUn39F(10)

---

NISTjouleTOukThUn59F *Convert joule to British thermal unit*

---

**Description**

NISTjouleTOukThUn59F converts from joule (J) to British thermal unit (59 F) (Btu)

**Usage**

NISTjouleTOukThUn59F(joule)

**Arguments**

joule            joule (J)

**Value**

British thermal unit (59 F) (Btu)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOukThUn59F(10)

---

NISTjouleTOukThUn60F *Convert joule to British thermal unit*

---

**Description**

NISTjouleTOukThUn60F converts from joule (J) to British thermal unit (60 F) (Btu)

**Usage**

NISTjouleTOukThUn60F(joule)

**Arguments**

joule            joule (J)

**Value**

British thermal unit (60 F) (Btu)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOukThUn60F(10)



---

NISTjouleTOukThUnIT    *Convert joule to British thermal unitIT 9*

---

**Description**

NISTjouleTOukThUnIT converts from joule (J) to British thermal unitIT (BtuIT) 9

**Usage**

NISTjouleTOukThUnIT(joule)

**Arguments**

joule            joule (J)

**Value**

British thermal unitIT (BtuIT) 9

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOukThUnIT(10)

---

NISTjouleTOukThUnth    *Convert joule to British thermal unith 9*

---

**Description**

NISTjouleTOukThUnth converts from joule (J) to British thermal unith (Btuth) 9

**Usage**

NISTjouleTOukThUnth(joule)

**Arguments**

joule            joule (J)

**Value**

British thermal unith (Btuth) 9

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOukThUnth(10)

---

NISTjouleTOwattHour    *Convert joule to watt hour*

---

**Description**

NISTjouleTOwattHour converts from joule (J) to watt hour (W \* h)

**Usage**

NISTjouleTOwattHour(joule)

**Arguments**

joule            joule (J)

**Value**

watt hour (W \* h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOwattHour(10)

---

NISTjouleTOwattSec     *Convert joule to watt second*

---

**Description**

NISTjouleTOwattSec converts from joule (J) to watt second (W \* s)

**Usage**

NISTjouleTOwattSec(joule)

**Arguments**

joule            joule (J)

**Value**

watt second (W \* s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTjouleTOwattSec(10)

---

NISTkayserTOreciprocalMeter

*Convert kayser to reciprocal meter*

---

**Description**

NISTkayserTOreciprocalMeter converts from kayser (K) to reciprocal meter (m-1)

**Usage**

NISTkayserTOreciprocalMeter(kayser)

**Arguments**

kayser            kayser (K)

**Value**

reciprocal meter (m-1)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkayserTOreciprocalMeter(10)

---

NISTkgForceMeterTONewtonMeter

*Convert kilogram-force meter to newton meter*

---

**Description**

NISTkgForceMeterTONewtonMeter converts from kilogram-force meter (kgf \* m) to newton meter (N \* m)

**Usage**

NISTkgForceMeterTONewtonMeter(kgForceMeter)

**Arguments**

kgForceMeter    kilogram-force meter (kgf \* m)

**Value**

newton meter (N \* m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgForceMeterTONewtonMeter(10)

---

NISTkgForcePerSqrCmTOkpasal

*Convert kilogram-force per square centimeter to kilopascal*

---

**Description**

NISTkgForcePerSqrCmTOkpasal converts from kilogram-force per square centimeter (kgf/cm<sup>2</sup>) to kilopascal (kPa)

**Usage**

NISTkgForcePerSqrCmTOkpasal(kgForcePerSqrCm)

**Arguments**

kgForcePerSqrCm

kilogram-force per square centimeter (kgf/cm<sup>2</sup>)

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgForcePerSqrCmTOkpasal(10)

---

NISTkgForcePerSqrCmTOpascal

*Convert kilogram-force per square centimeter to pascal*

---

### **Description**

NISTkgForcePerSqrCmTOpascal converts from kilogram-force per square centimeter (kgf/cm<sup>2</sup>) to pascal (Pa)

### **Usage**

NISTkgForcePerSqrCmTOpascal(kgForcePerSqrCm)

### **Arguments**

kgForcePerSqrCm

kilogram-force per square centimeter (kgf/cm<sup>2</sup>)

### **Value**

pascal (Pa)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTkgForcePerSqrCmTOpascal(10)



---

NISTkgForcePerSqrMeterTOpascal

*Convert kilogram-force per square meter to pascal*

---

### **Description**

NISTkgForcePerSqrMeterTOpascal converts from kilogram-force per square meter (kgf/m<sup>2</sup>) to pascal (Pa)

### **Usage**

NISTkgForcePerSqrMeterTOpascal(kgForcePerSqrMeter)

### **Arguments**

kgForcePerSqrMeter  
kilogram-force per square meter (kgf/m<sup>2</sup>)

### **Value**

pascal (Pa)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTkgForcePerSqrMeterTOpascal(10)

---

NISTkgForcePerSqrMillimeterTOmpascal

*Convert kilogram-force per square millimeter to megapascal*

---

### Description

NISTkgForcePerSqrMillimeterTOmpascal converts from kilogram-force per square millimeter (kgf/mm<sup>2</sup>) to megapascal (MPa)

### Usage

NISTkgForcePerSqrMillimeterTOmpascal(kgForcePerSqrMillimeter)

### Arguments

kgForcePerSqrMillimeter

kilogram-force per square millimeter (kgf/mm<sup>2</sup>)

### Value

megapascal (MPa)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTkgForcePerSqrMillimeterTOmpascal(10)

---

NISTkgForcePerSqrMillimeterTOpascal

*Convert kilogram-force per square millimeter to pascal*

---

### Description

NISTkgForcePerSqrMillimeterTOpascal converts from kilogram-force per square millimeter (kgf/mm<sup>2</sup>) to pascal (Pa)

### Usage

NISTkgForcePerSqrMillimeterTOpascal(kgForcePerSqrMillimeter)

### Arguments

kgForcePerSqrMillimeter

kilogram-force per square millimeter (kgf/mm<sup>2</sup>)

### Value

pascal (Pa)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTkgForcePerSqrMillimeterTOpascal(10)

---

NISTkgForceSecSqrPerMeterTOkg

*Convert kilogram-force second squared per meter to kilogram*

---

**Description**

NISTkgForceSecSqrPerMeterTOkg converts from kilogram-force second squared per meter (kgf \* s<sup>2</sup>/m) to kilogram (kg)

**Usage**

NISTkgForceSecSqrPerMeterTOkg(kgForceSecSqrPerMeter)

**Arguments**

kgForceSecSqrPerMeter

kilogram-force second squared per meter (kgf \* s<sup>2</sup>/m)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgForceSecSqrPerMeterTOkg(10)

---

NISTkgForceTOnewton     *Convert kilogram-force to newton*

---

**Description**

NISTkgForceTOnewton converts from kilogram-force (kgf) to newton (N)

**Usage**

NISTkgForceTOnewton(kgForce)

**Arguments**

kgForce            kilogram-force (kgf)

**Value**

newton (N)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgForceTOnewton(10)

NISTkgMeterSqrDTOpoundFtSqrD

*Convert kilogram meter squared to pound foot squared*

---

**Description**

NISTkgMeterSqrDTOpoundFtSqrD converts from kilogram meter squared ( $\text{kg} * \text{m}^2$ ) to pound foot squared ( $\text{lb} * \text{ft}^2$ )

**Usage**

NISTkgMeterSqrDTOpoundFtSqrD(kgMeterSqrD)

**Arguments**

kgMeterSqrD      kilogram meter squared ( $\text{kg} * \text{m}^2$ )

**Value**

pound foot squared ( $\text{lb} * \text{ft}^2$ )

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgMeterSqrDTOpoundFtSqrD(10)

---

NISTkgMeterSqrDTOpoundInchSqr

*Convert kilogram meter squared to pound inch squared*

---

**Description**

NISTkgMeterSqrDTOpoundInchSqr converts from kilogram meter squared ( $\text{kg} \cdot \text{m}^2$ ) to pound inch squared ( $\text{lb} \cdot \text{in}^2$ )

**Usage**

NISTkgMeterSqrDTOpoundInchSqr(kgMeterSqr)

**Arguments**

kgMeterSqr      kilogram meter squared ( $\text{kg} \cdot \text{m}^2$ )

**Value**

pound inch squared ( $\text{lb} \cdot \text{in}^2$ )

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgMeterSqrDTOpoundInchSqr(10)

---

NISTkgPerCubMeterTOgrainPerGallon

*Convert kilogram per cubic meter to grain per gallon*

---

**Description**

NISTkgPerCubMeterTOgrainPerGallon converts from kilogram per cubic meter (kg/m<sup>3</sup>) to grain per gallon (U.S.) (gr/gal)

**Usage**

NISTkgPerCubMeterTOgrainPerGallon(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

grain per gallon (U.S.) (gr/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOgrainPerGallon(10)



---

NISTkgPerCubMeterTOgramPerCubCm

*Convert kilogram per cubic meter to gram per cubic centimeter*

---

**Description**

NISTkgPerCubMeterTOgramPerCubCm converts from kilogram per cubic meter (kg/m<sup>3</sup>) to gram per cubic centimeter (g/cm<sup>3</sup>)

**Usage**

NISTkgPerCubMeterTOgramPerCubCm(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

gram per cubic centimeter (g/cm<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOgramPerCubCm(10)

---

NISTkgPerCubMeterTOunceImperialPerGallon

*Convert kilogram per cubic meter to ounce per gallon*

---

**Description**

NISTkgPerCubMeterTOunceImperialPerGallon converts from kilogram per cubic meter (kg/m<sup>3</sup>) to ounce (avoirdupois) per gallon [Canadian and U.K. (Imperial)] (oz/gal)

**Usage**

NISTkgPerCubMeterTOunceImperialPerGallon(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

ounce (avoirdupois) per gallon [Canadian and U.K. (Imperial)] (oz/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOunceImperialPerGallon(10)

---

NISTkgPerCubMeterTOuncePerCubInch

*Convert kilogram per cubic meter to ounce per cubic inch*

---

**Description**

NISTkgPerCubMeterTOuncePerCubInch converts from kilogram per cubic meter (kg/m<sup>3</sup>) to ounce (avoirdupois) per cubic inch (oz/in<sup>3</sup>)

**Usage**

NISTkgPerCubMeterTOuncePerCubInch(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

ounce (avoirdupois) per cubic inch (oz/in<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOuncePerCubInch(10)

---

NISTkgPerCubMeterTOuncePerGallon

*Convert kilogram per cubic meter to ounce per gallon*

---

**Description**

NISTkgPerCubMeterTOuncePerGallon converts from kilogram per cubic meter (kg/m<sup>3</sup>) to ounce (avoirdupois) per gallon (U.S.) (oz/gal)

**Usage**

NISTkgPerCubMeterTOuncePerGallon(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

ounce (avoirdupois) per gallon (U.S.) (oz/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOuncePerGallon(10)

---

NISTkgPerCubMeterTOpoundPerCubFt

*Convert kilogram per cubic meter to pound per cubic foot*

---

**Description**

NISTkgPerCubMeterTOpoundPerCubFt converts from kilogram per cubic meter (kg/m<sup>3</sup>) to pound per cubic foot (lb/ft<sup>3</sup>)

**Usage**

NISTkgPerCubMeterTOpoundPerCubFt(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

pound per cubic foot (lb/ft<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOpoundPerCubFt(10)

---

NISTkgPerCubMeterTOpoundPerCubInch

*Convert kilogram per cubic meter to pound per cubic inch*

---

**Description**

NISTkgPerCubMeterTOpoundPerCubInch converts from kilogram per cubic meter (kg/m<sup>3</sup>) to pound per cubic inch (lb/in<sup>3</sup>)

**Usage**

NISTkgPerCubMeterTOpoundPerCubInch(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

pound per cubic inch (lb/in<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOpoundPerCubInch(10)

---

NISTkgPerCubMeterTOpoundPerCubYard

*Convert kilogram per cubic meter to pound per cubic yard*

---

**Description**

NISTkgPerCubMeterTOpoundPerCubYard converts from kilogram per cubic meter (kg/m<sup>3</sup>) to pound per cubic yard (lb/yd<sup>3</sup>)

**Usage**

NISTkgPerCubMeterTOpoundPerCubYard(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

pound per cubic yard (lb/yd<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOpoundPerCubYard(10)

---

NISTkgPerCubMeterTOpoundPerGallon

*Convert kilogram per cubic meter to pound per gallon*

---

**Description**

NISTkgPerCubMeterTOpoundPerGallon converts from kilogram per cubic meter (kg/m<sup>3</sup>) to pound per gallon (U.S.) (lb/gal)

**Usage**

NISTkgPerCubMeterTOpoundPerGallon(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

pound per gallon (U.S.) (lb/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOpoundPerGallon(10)



---

NISTkgPerCubMeterTOpoundPerGallonImperial

*Convert kilogram per cubic meter to pound per gallon*

---

**Description**

NISTkgPerCubMeterTOpoundPerGallonImperial converts from kilogram per cubic meter (kg/m<sup>3</sup>) to pound per gallon [Canadian and U.K. (Imperial)] (lb/gal)

**Usage**

NISTkgPerCubMeterTOpoundPerGallonImperial(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

pound per gallon [Canadian and U.K. (Imperial)] (lb/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOpoundPerGallonImperial(10)

---

NISTkgPerCubMeterTOslugPerCubFt

*Convert kilogram per cubic meter to slug per cubic foot*

---

**Description**

NISTkgPerCubMeterTOslugPerCubFt converts from kilogram per cubic meter (kg/m<sup>3</sup>) to slug per cubic foot (slug/ft<sup>3</sup>)

**Usage**

NISTkgPerCubMeterTOslugPerCubFt(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

slug per cubic foot (slug/ft<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOslugPerCubFt(10)

---

NISTkgPerCubMeterTOtonLongPerCubYard

*Convert kilogram per cubic meter to ton, long, per cubic yard*

---

**Description**

NISTkgPerCubMeterTOtonLongPerCubYard converts from kilogram per cubic meter (kg/m<sup>3</sup>) to ton, long, per cubic yard

**Usage**

NISTkgPerCubMeterTOtonLongPerCubYard(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

ton, long, per cubic yard

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOtonLongPerCubYard(10)

---

NISTkgPerCubMeterTOtonShortPerCubYard

*Convert kilogram per cubic meter to ton, short, per cubic yard*

---

**Description**

NISTkgPerCubMeterTOtonShortPerCubYard converts from kilogram per cubic meter (kg/m<sup>3</sup>) to ton, short, per cubic yard

**Usage**

NISTkgPerCubMeterTOtonShortPerCubYard(kgPerCubMeter)

**Arguments**

kgPerCubMeter    kilogram per cubic meter (kg/m<sup>3</sup>)

**Value**

ton, short, per cubic yard

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerCubMeterTOtonShortPerCubYard(10)

---

NISTkgPerJouleTOpoundPerHorsepowerHour

*Convert kilogram per joule to pound per horsepower hour*

---

**Description**

NISTkgPerJouleTOpoundPerHorsepowerHour converts from kilogram per joule (kg/J) to pound per horsepower hour [lb/(hp \* h)]

**Usage**

NISTkgPerJouleTOpoundPerHorsepowerHour (kgPerJoule)

**Arguments**

kgPerJoule      kilogram per joule (kg/J)

**Value**

pound per horsepower hour [lb/(hp \* h)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerJouleTOpoundPerHorsepowerHour(10)

---

NISTkgPerLiterTOpoundPerGallon

*Convert kilogram per liter to pound per gallon*

---

**Description**

NISTkgPerLiterTOpoundPerGallon converts from kilogram per liter (kg/L) to pound per gallon (U.S.) (lb/gal)

**Usage**

NISTkgPerLiterTOpoundPerGallon(kgPerLiter)

**Arguments**

kgPerLiter      kilogram per liter (kg/L)

**Value**

pound per gallon (U.S.) (lb/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerLiterTOpoundPerGallon(10)

---

NISTkgPerLiterTOpoundPerGallonImperial

*Convert kilogram per liter to pound per gallon*

---

**Description**

NISTkgPerLiterTOpoundPerGallonImperial converts from kilogram per liter (kg/L) to pound per gallon [Canadian and U.K. (Imperial)] (lb/gal)

**Usage**

NISTkgPerLiterTOpoundPerGallonImperial(kgPerLiter)

**Arguments**

kgPerLiter      kilogram per liter (kg/L)

**Value**

pound per gallon [Canadian and U.K. (Imperial)] (lb/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerLiterTOpoundPerGallonImperial(10)

---

NISTkgPerMeterTOdenier

*Convert kilogram per meter to denier*

---

**Description**

NISTkgPerMeterTOdenier converts from kilogram per meter (kg/m) to denier

**Usage**

NISTkgPerMeterTOdenier(kgPerMeter)

**Arguments**

kgPerMeter      kilogram per meter (kg/m)

**Value**

denier

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerMeterTOdenier(10)



---

NISTkgPerMeterTOpoundPerFt

*Convert kilogram per meter to pound per foot*

---

**Description**

NISTkgPerMeterTOpoundPerFt converts from kilogram per meter (kg/m) to pound per foot (lb/ft)

**Usage**

NISTkgPerMeterTOpoundPerFt(kgPerMeter)

**Arguments**

kgPerMeter      kilogram per meter (kg/m)

**Value**

pound per foot (lb/ft)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerMeterTOpoundPerFt(10)

---

NISTkgPerMeterTOpoundPerInch

*Convert kilogram per meter to pound per inch*

---

**Description**

NISTkgPerMeterTOpoundPerInch converts from kilogram per meter (kg/m) to pound per inch (lb/in)

**Usage**

NISTkgPerMeterTOpoundPerInch(kgPerMeter)

**Arguments**

kgPerMeter      kilogram per meter (kg/m)

**Value**

pound per inch (lb/in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerMeterTOpoundPerInch(10)

---

NISTkgPerMeterTOpoundPerYard

*Convert kilogram per meter to pound per yard*

---

**Description**

NISTkgPerMeterTOpoundPerYard converts from kilogram per meter (kg/m) to pound per yard (lb/yd)

**Usage**

NISTkgPerMeterTOpoundPerYard(kgPerMeter)

**Arguments**

kgPerMeter      kilogram per meter (kg/m)

**Value**

pound per yard (lb/yd)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerMeterTOpoundPerYard(10)

---

NISTkgPerMeterTOtex     *Convert kilogram per meter to tex*

---

**Description**

NISTkgPerMeterTOtex converts from kilogram per meter (kg/m) to tex

**Usage**

NISTkgPerMeterTOtex(kgPerMeter)

**Arguments**

kgPerMeter     kilogram per meter (kg/m)

**Value**

tex

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerMeterTOtex(10)

---

NISTkgPerPascalSecMeterTOpermInch0C

*Convert kilogram per pascal second meter to perm inch*

---

### **Description**

NISTkgPerPascalSecMeterTOpermInch0C converts from kilogram per pascal second meter [kg/(Pa\*s\*m)] to perm inch (0 C)

### **Usage**

NISTkgPerPascalSecMeterTOpermInch0C(kgPerPascalSecMeter)

### **Arguments**

kgPerPascalSecMeter

kilogram per pascal second meter [kg/(Pa\*s\*m)]

### **Value**

perm inch (0 C)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTkgPerPascalSecMeterTOpermInch0C(10)

---

NISTkgPerPascalSecMeterTOpermInch23C

*Convert kilogram per pascal second meter to perm inch*

---

**Description**

NISTkgPerPascalSecMeterTOpermInch23C converts from kilogram per pascal second meter [kg/(Pa\*s\*m)] to perm inch (23 C)

**Usage**

NISTkgPerPascalSecMeterTOpermInch23C(kgPerPascalSecMeter)

**Arguments**

kgPerPascalSecMeter

kilogram per pascal second meter [kg/(Pa\*s\*m)]

**Value**

perm inch (23 C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerPascalSecMeterTOpermInch23C(10)

---

NISTkgPerPascalSecSqrMeterT0perm0C

*Convert kilogram per pascal second square meter to perm*

---

### Description

NISTkgPerPascalSecSqrMeterT0perm0C converts from kilogram per pascal second square meter [kg/(Pa \* s \* m<sup>2</sup>)] to perm (0 C)

### Usage

NISTkgPerPascalSecSqrMeterT0perm0C(kgPerPascalSecSqrMeter)

### Arguments

kgPerPascalSecSqrMeter

kilogram per pascal second square meter [kg/(Pa \* s \* m<sup>2</sup>)]

### Value

perm (0 C)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTkgPerPascalSecSqrMeterT0perm0C(10)

---

NISTkgPerPascalSecSqrMeterT0perm23C

*Convert kilogram per pascal second square meter to perm*

---

**Description**

NISTkgPerPascalSecSqrMeterT0perm23C converts from kilogram per pascal second square meter [kg/(Pa \* s \* m<sup>2</sup>)] to perm (23 C)

**Usage**

NISTkgPerPascalSecSqrMeterT0perm23C(kgPerPascalSecSqrMeter)

**Arguments**

kgPerPascalSecSqrMeter

kilogram per pascal second square meter [kg/(Pa \* s \* m<sup>2</sup>)]

**Value**

perm (23 C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerPascalSecSqrMeterT0perm23C(10)



---

NISTkgPerSecTOpoundPerHour

*Convert kilogram per second to pound per hour*

---

**Description**

NISTkgPerSecTOpoundPerHour converts from kilogram per second (kg/s) to pound per hour (lb/h)

**Usage**

NISTkgPerSecTOpoundPerHour(kgPerSec)

**Arguments**

kgPerSec      kilogram per second (kg/s)

**Value**

pound per hour (lb/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerSecTOpoundPerHour(10)

---

NISTkgPerSecTOpoundPerMin

*Convert kilogram per second to pound per minute*

---

**Description**

NISTkgPerSecTOpoundPerMin converts from kilogram per second (kg/s) to pound per minute (lb/min)

**Usage**

NISTkgPerSecTOpoundPerMin(kgPerSec)

**Arguments**

kgPerSec      kilogram per second (kg/s)

**Value**

pound per minute (lb/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerSecTOpoundPerMin(10)

---

NISTkgPerSecTOpoundPerSec

*Convert kilogram per second to pound per second*

---

**Description**

NISTkgPerSecTOpoundPerSec converts from kilogram per second (kg/s) to pound per second (lb/s)

**Usage**

NISTkgPerSecTOpoundPerSec(kgPerSec)

**Arguments**

kgPerSec      kilogram per second (kg/s)

**Value**

pound per second (lb/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerSecTOpoundPerSec(10)

---

NISTkgPerSecTOtonShortPerHour

*Convert kilogram per second to ton, short, per hour*

---

**Description**

NISTkgPerSecTOtonShortPerHour converts from kilogram per second (kg/s) to ton, short, per hour

**Usage**

NISTkgPerSecTOtonShortPerHour(kgPerSec)

**Arguments**

kgPerSec      kilogram per second (kg/s)

**Value**

ton, short, per hour

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerSecTOtonShortPerHour(10)

---

NISTkgPerSqrMeterTOouncePerSqrFt

*Convert kilogram per square meter to ounce per square foot*

---

**Description**

NISTkgPerSqrMeterTOouncePerSqrFt converts from kilogram per square meter (kg/m<sup>2</sup>) to ounce (avoirdupois) per square foot (oz/ft<sup>2</sup>)

**Usage**

NISTkgPerSqrMeterTOouncePerSqrFt(kgPerSqrMeter)

**Arguments**

kgPerSqrMeter    kilogram per square meter (kg/m<sup>2</sup>)

**Value**

ounce (avoirdupois) per square foot (oz/ft<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerSqrMeterTOouncePerSqrFt(10)

---

NISTkgPerSqrMeterTOuncePerSqrInch

*Convert kilogram per square meter to ounce per square inch*

---

**Description**

NISTkgPerSqrMeterTOuncePerSqrInch converts from kilogram per square meter (kg/m<sup>2</sup>) to ounce (avoirdupois) per square inch (oz/in<sup>2</sup>)

**Usage**

NISTkgPerSqrMeterTOuncePerSqrInch(kgPerSqrMeter)

**Arguments**

kgPerSqrMeter    kilogram per square meter (kg/m<sup>2</sup>)

**Value**

ounce (avoirdupois) per square inch (oz/in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerSqrMeterTOuncePerSqrInch(10)

---

NISTkgPerSqrMeterTOouncePerSqrYard

*Convert kilogram per square meter to ounce per square yard*

---

**Description**

NISTkgPerSqrMeterTOouncePerSqrYard converts from kilogram per square meter (kg/m<sup>2</sup>) to ounce (avoirdupois) per square yard (oz/yd<sup>2</sup>)

**Usage**

NISTkgPerSqrMeterTOouncePerSqrYard(kgPerSqrMeter)

**Arguments**

kgPerSqrMeter    kilogram per square meter (kg/m<sup>2</sup>)

**Value**

ounce (avoirdupois) per square yard (oz/yd<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerSqrMeterTOouncePerSqrYard(10)

---

NISTkgPerSqrMeterTOpoundPerSqrFt

*Convert kilogram per square meter to pound per square foot*

---

**Description**

NISTkgPerSqrMeterTOpoundPerSqrFt converts from kilogram per square meter (kg/m<sup>2</sup>) to pound per square foot (lb/ft<sup>2</sup>)

**Usage**

NISTkgPerSqrMeterTOpoundPerSqrFt(kgPerSqrMeter)

**Arguments**

kgPerSqrMeter    kilogram per square meter (kg/m<sup>2</sup>)

**Value**

pound per square foot (lb/ft<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerSqrMeterTOpoundPerSqrFt(10)



---

NISTkgPerSqrMeterTOpoundPerSqrInch

*Convert kilogram per square meter to pound per square inch*

---

**Description**

NISTkgPerSqrMeterTOpoundPerSqrInch converts from kilogram per square meter (kg/m<sup>2</sup>) to pound per square inch (not pound-force) (lb/in<sup>2</sup>)

**Usage**

NISTkgPerSqrMeterTOpoundPerSqrInch(kgPerSqrMeter)

**Arguments**

kgPerSqrMeter    kilogram per square meter (kg/m<sup>2</sup>)

**Value**

pound per square inch (not pound-force) (lb/in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgPerSqrMeterTOpoundPerSqrInch(10)

---

NISTkgTOcaratSI      *Convert kilogram to carat, metric*

---

**Description**

NISTkgTOcaratSI converts from kilogram (kg) to carat, metric

**Usage**

NISTkgTOcaratSI(kg)

**Arguments**

kg                      kilogram (kg)

**Value**

carat, metric

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOcaratSI(10)

---

NISTkgTOgrain	<i>Convert kilogram to grain</i>
---------------	----------------------------------

---

**Description**

NISTkgTOgrain converts from kilogram (kg) to grain (gr)

**Usage**

NISTkgTOgrain(kg)

**Arguments**

kg                    kilogram (kg)

**Value**

grain (gr)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOgrain(10)

---

NISTkgTOhundredweightLong

*Convert kilogram to hundredweight*

---

**Description**

NISTkgTOhundredweightLong converts from kilogram (kg) to hundredweight (long, 112 lb)

**Usage**

NISTkgTOhundredweightLong(kg)

**Arguments**

kg	kilogram (kg)
----	---------------

**Value**

hundredweight (long, 112 lb)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOhundredweightLong(10)

---

NISTkgTOhundredweightShort

*Convert kilogram to hundredweight*

---

**Description**

NISTkgTOhundredweightShort converts from kilogram (kg) to hundredweight (short, 100 lb)

**Usage**

NISTkgTOhundredweightShort(kg)

**Arguments**

kg                    kilogram (kg)

**Value**

hundredweight (short, 100 lb)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOhundredweightShort(10)

---

NISTkgTOkgForceSecSqrPerMeter

*Convert kilogram to kilogram-force second squared per meter*

---

**Description**

NISTkgTOkgForceSecSqrPerMeter converts from kilogram (kg) to kilogram-force second squared per meter (kgf \* s<sup>2</sup>/m)

**Usage**

NISTkgTOkgForceSecSqrPerMeter(kg)

**Arguments**

kg                      kilogram (kg)

**Value**

kilogram-force second squared per meter (kgf \* s<sup>2</sup>/m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOkgForceSecSqrPerMeter(10)

---

NISTkgTOunceAvoirdupois

*Convert kilogram to ounce*

---

**Description**

NISTkgTOunceAvoirdupois converts from kilogram (kg) to ounce (avoirdupois) (oz)

**Usage**

NISTkgTOunceAvoirdupois(kg)

**Arguments**

kg                    kilogram (kg)

**Value**

ounce (avoirdupois) (oz)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOunceAvoirdupois(10)

---

NISTkgTOunceTroy      *Convert kilogram to ounce*

---

**Description**

NISTkgTOunceTroy converts from kilogram (kg) to ounce (troy or apothecary) (oz)

**Usage**

NISTkgTOunceTroy(kg)

**Arguments**

kg                      kilogram (kg)

**Value**

ounce (troy or apothecary) (oz)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOunceTroy(10)



---

NISTkgTOpennyweight    *Convert kilogram to pennyweight*

---

**Description**

NISTkgTOpennyweight converts from kilogram (kg) to pennyweight (dwt)

**Usage**

NISTkgTOpennyweight(kg)

**Arguments**

kg                    kilogram (kg)

**Value**

pennyweight (dwt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOpennyweight(10)

---

NISTkgTOpoundAvoirdupois

*Convert kilogram to pound 22*

---

**Description**

NISTkgTOpoundAvoirdupois converts from kilogram (kg) to pound (avoirdupois) (lb) 22

**Usage**

NISTkgTOpoundAvoirdupois(kg)

**Arguments**

kg                    kilogram (kg)

**Value**

pound (avoirdupois) (lb) 22

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOpoundAvoirdupois(10)

---

NISTkgTOpoundTroy      *Convert kilogram to pound*

---

**Description**

NISTkgTOpoundTroy converts from kilogram (kg) to pound (troy or apothecary) (lb)

**Usage**

NISTkgTOpoundTroy(kg)

**Arguments**

kg                      kilogram (kg)

**Value**

pound (troy or apothecary) (lb)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOpoundTroy(10)

---

NISTkgToslug      *Convert kilogram to slug*

---

**Description**

NISTkgToslug converts from kilogram (kg) to slug (slug)

**Usage**

NISTkgToslug(kg)

**Arguments**

kg                      kilogram (kg)

**Value**

slug (slug)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgToslug(10)

---

NISTkgTOtonAssay	<i>Convert kilogram to ton, assay</i>
------------------	---------------------------------------

---

**Description**

NISTkgTOtonAssay converts from kilogram (kg) to ton, assay (AT)

**Usage**

NISTkgTOtonAssay(kg)

**Arguments**

kg                    kilogram (kg)

**Value**

ton, assay (AT)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOtonAssay(10)

---

NISTkgTOtonLong	<i>Convert kilogram to ton, long</i>
-----------------	--------------------------------------

---

**Description**

NISTkgTOtonLong converts from kilogram (kg) to ton, long (2240 lb)

**Usage**

NISTkgTOtonLong(kg)

**Arguments**

kg                    kilogram (kg)

**Value**

ton, long (2240 lb)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOtonLong(10)

---

NISTkgTOtonne      *Convert kilogram to tonne*

---

**Description**

NISTkgTOtonne converts from kilogram (kg) to tonne (called metric ton in U.S.) (t)

**Usage**

NISTkgTOtonne(kg)

**Arguments**

kg                      kilogram (kg)

**Value**

tonne (called metric ton in U.S.) (t)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOtonne(10)

---

NISTkgTOtonShort      *Convert kilogram to ton, short*

---

**Description**

NISTkgTOtonShort converts from kilogram (kg) to ton, short (2000 lb)

**Usage**

NISTkgTOtonShort(kg)

**Arguments**

kg                      kilogram (kg)

**Value**

ton, short (2000 lb)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOtonShort(10)



---

NISTkgTOtonSI	<i>Convert kilogram to ton, metric</i>
---------------	--

---

**Description**

NISTkgTOtonSI converts from kilogram (kg) to ton, metric (t)

**Usage**

NISTkgTOtonSI(kg)

**Arguments**

kg                    kilogram (kg)

**Value**

ton, metric (t)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkgTOtonSI(10)

---

NISTkilocalITtOjoule *Convert kilocalorieIT to joule*

---

**Description**

NISTkilocalITtOjoule converts from kilocalorieIT (kcalIT) to joule (J)

**Usage**

NISTkilocalITtOjoule(kilocalIT)

**Arguments**

kilocalIT      kilocalorieIT (kcalIT)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkilocalITtOjoule(10)

---

NISTkilocalthPerMinTowatt

*Convert kilocalorieth per minute to watt*

---

**Description**

NISTkilocalthPerMinTowatt converts from kilocalorieth per minute (kcalth/min) to watt (W)

**Usage**

NISTkilocalthPerMinTowatt(kilocalthPerMin)

**Arguments**

kilocalthPerMin  
kilocalorieth per minute (kcalth/min)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkilocalthPerMinTowatt(10)

---

NISTkilocalthPerSecTowatt

*Convert kilocalorieth per second to watt*

---

**Description**

NISTkilocalthPerSecTowatt converts from kilocalorieth per second (kcalth/s) to watt (W)

**Usage**

NISTkilocalthPerSecTowatt(kilocalthPerSec)

**Arguments**

kilocalthPerSec  
kilocalorieth per second (kcalth/s)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkilocalthPerSecTowatt(10)

---

NISTkilocalthTOjoule *Convert kilocalorieth to joule*

---

**Description**

NISTkilocalthTOjoule converts from kilocalorieth (kcalth) to joule (J)

**Usage**

NISTkilocalthTOjoule(kilocalth)

**Arguments**

kilocalth      kilocalorieth (kcalth)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkilocalthTOjoule(10)

---

NISTkilocalTOjoule      *Convert kilocalorie to joule*

---

**Description**

NISTkilocalTOjoule converts from kilocalorie (mean) (kcal) to joule (J)

**Usage**

NISTkilocalTOjoule(kilocal)

**Arguments**

kilocal              kilocalorie (mean) (kcal)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkilocalTOjoule(10)

---

NISTkilonewtonTOkip    *Convert kilonewton to kip*

---

**Description**

NISTkilonewtonTOkip converts from kilonewton (kN) to kip (1 kip= 1000 lbf)

**Usage**

NISTkilonewtonTOkip(kilonewton)

**Arguments**

kilonewton      kilonewton (kN)

**Value**

kip (1 kip= 1000 lbf)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkilonewtonTOkip(10)

---

NISTkilonewtonTOtonForce

*Convert kilonewton to ton-force*

---

**Description**

NISTkilonewtonTOtonForce converts from kilonewton (kN) to ton-force (2000 lbf)

**Usage**

NISTkilonewtonTOtonForce(kilonewton)

**Arguments**

kilonewton      kilonewton (kN)

**Value**

ton-force (2000 lbf)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkilonewtonTOtonForce(10)



---

NISTkilopondTOnewton *Convert kilopond to newton*

---

**Description**

NISTkilopondTOnewton converts from kilopond (kilogram-force) (kp) to newton (N)

**Usage**

NISTkilopondTOnewton(kilopond)

**Arguments**

kilopond          kilopond (kilogram-force) (kp)

**Value**

newton (N)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkilopondTOnewton(10)

---

NISTkilowattHourTOjoule

*Convert kilowatt hour to joule*

---

**Description**

NISTkilowattHourTOjoule converts from kilowatt hour (kW \* h) to joule (J)

**Usage**

NISTkilowattHourTOjoule(kilowattHour)

**Arguments**

kilowattHour    kilowatt hour (kW \* h)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkilowattHourTOjoule(10)

---

NISTkilowattHourTOmegajoule

*Convert kilowatt hour to megajoule*

---

**Description**

NISTkilowattHourTOmegajoule converts from kilowatt hour (kW \* h) to megajoule (MJ)

**Usage**

NISTkilowattHourTOmegajoule(kilowattHour)

**Arguments**

kilowattHour    kilowatt hour (kW \* h)

**Value**

megajoule (MJ)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkilowattHourTOmegajoule(10)

---

NISTkipPerSqrInchTOkpasca1

*Convert kip per square inch to kilopascal*

---

**Description**

NISTkipPerSqrInchTOkpasca1 converts from kip per square inch (ksi) (kip/in<sup>2</sup>) to kilopascal (kPa)

**Usage**

NISTkipPerSqrInchTOkpasca1(kipPerSqrInch)

**Arguments**

kipPerSqrInch    kip per square inch (ksi) (kip/in<sup>2</sup>)

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkipPerSqrInchTOkpasca1(10)

---

NISTkipPerSqrInchTOpascal

*Convert kip per square inch to pascal*

---

**Description**

NISTkipPerSqrInchTOpascal converts from kip per square inch (ksi) (kip/in<sup>2</sup>) to pascal (Pa)

**Usage**

NISTkipPerSqrInchTOpascal(kipPerSqrInch)

**Arguments**

kipPerSqrInch    kip per square inch (ksi) (kip/in<sup>2</sup>)

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkipPerSqrInchTOpascal(10)

---

NISTkipTOkilonewton     *Convert kip to kilonewton*

---

**Description**

NISTkipTOkilonewton converts from kip (1 kip= 1000 lbf) to kilonewton (kN)

**Usage**

NISTkipTOkilonewton(kip)

**Arguments**

kip                    kip (1 kip= 1000 lbf)

**Value**

kilonewton (kN)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkipTOkilonewton(10)

---

NISTkipTOnewton	<i>Convert kip to newton</i>
-----------------	------------------------------

---

**Description**

NISTkipTOnewton converts from kip (1 kip= 1000 lbf) to newton (N)

**Usage**

NISTkipTOnewton(kip)

**Arguments**

kip	kip (1 kip= 1000 lbf)
-----	-----------------------

**Value**

newton (N)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkipTOnewton(10)

---

NISTkmPerHourTOmeterPerSec

*Convert kilometer per hour to meter per second*

---

**Description**

NISTkmPerHourTOmeterPerSec converts from kilometer per hour (km/h) to meter per second (m/s)

**Usage**

NISTkmPerHourTOmeterPerSec(kmPerHour)

**Arguments**

kmPerHour      kilometer per hour (km/h)

**Value**

meter per second (m/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkmPerHourTOmeterPerSec(10)



---

NISTkmPerHourTOmilePerHour

*Convert kilometer per hour to mile per hour*

---

**Description**

NISTkmPerHourTOmilePerHour converts from kilometer per hour (km/h) to mile per hour (mi/h)

**Usage**

NISTkmPerHourTOmilePerHour(kmPerHour)

**Arguments**

kmPerHour      kilometer per hour (km/h)

**Value**

mile per hour (mi/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkmPerHourTOmilePerHour(10)

---

NISTkmPerLiterTOmilePerGallon

*Convert kilometer per liter to mile per gallon*

---

**Description**

NISTkmPerLiterTOmilePerGallon converts from kilometer per liter (km/L) to mile per gallon (U.S.) (mpg) (mi/gal)

**Usage**

NISTkmPerLiterTOmilePerGallon(kmPerLiter)

**Arguments**

kmPerLiter      kilometer per liter (km/L)

**Value**

mile per gallon (U.S.) (mpg) (mi/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkmPerLiterTOmilePerGallon(10)

---

NISTkmTOmile	<i>Convert kilometer to mile</i>
--------------	----------------------------------

---

**Description**

NISTkmTOmile converts from kilometer (km) to mile (mi)

**Usage**

NISTkmTOmile(km)

**Arguments**

km	kilometer (km)
----	----------------

**Value**

mile (mi)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkmTOmile(10)

NISTkmTOmileUSSurvey *Convert kilometer to mile* 7

---

**Description**

NISTkmTOmileUSSurvey converts from kilometer (km) to mile (based on U.S. survey foot) (mi) 7

**Usage**

NISTkmTOmileUSSurvey(km)

**Arguments**

km                      kilometer (km)

**Value**

mile (based on U.S. survey foot) (mi) 7

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkmTOmileUSSurvey(10)

---

NISTknotTOMeterPerSec *Convert knot to meter per second*

---

**Description**

NISTknotTOMeterPerSec converts from knot (nautical mile per hour) to meter per second (m/s)

**Usage**

NISTknotTOMeterPerSec(knot)

**Arguments**

knot                      knot (nautical mile per hour)

**Value**

meter per second (m/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTknotTOMeterPerSec(10)

---

NISTkpasca1TOatmosphereStd

*Convert kilopascal to atmosphere, standard*

---

**Description**

NISTkpasca1TOatmosphereStd converts from kilopascal (kPa) to atmosphere, standard (atm)

**Usage**

NISTkpasca1TOatmosphereStd(kpascal)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

atmosphere, standard (atm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpasca1TOatmosphereStd(10)

---

NISTkpascaIToatmosphereTechnical

*Convert kilopascal to atmosphere, technical 8*

---

**Description**

NISTkpascaIToatmosphereTechnical converts from kilopascal (kPa) to atmosphere, technical (at) 8

**Usage**

NISTkpascaIToatmosphereTechnical(kpascaI)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

atmosphere, technical (at) 8

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpascaIToatmosphereTechnical(10)

---

NISTkpasca1T0bar      *Convert kilopascal to bar*

---

**Description**

NISTkpasca1T0bar converts from kilopascal (kPa) to bar (bar)

**Usage**

NISTkpasca1T0bar(kpascal)

**Arguments**

kpascal      kilopascal (kPa)

**Value**

bar (bar)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpasca1T0bar(10)



---

NISTkpasca1TOcmOfMercury

*Convert kilopascal to centimeter of mercury 12*

---

**Description**

NISTkpasca1TOcmOfMercury converts from kilopascal (kPa) to centimeter of mercury (0 C) 12

**Usage**

NISTkpasca1TOcmOfMercury(kpascal)

**Arguments**

kpascal          kilopascal (kPa)

**Value**

centimeter of mercury (0 C) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpasca1TOcmOfMercury(10)

---

NISTkpasca1T0cmOfMercuryConvtn1

*Convert kilopascal to centimeter of mercury, conventional 12*

---

**Description**

NISTkpasca1T0cmOfMercuryConvtn1 converts from kilopascal (kPa) to centimeter of mercury, conventional (cmHg) 12

**Usage**

NISTkpasca1T0cmOfMercuryConvtn1(kpascal)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

centimeter of mercury, conventional (cmHg) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpasca1T0cmOfMercuryConvtn1(10)

---

NISTkpasca1TOft0fMercuryConvtn1

*Convert kilopascal to foot of mercury, conventional 12*

---

**Description**

NISTkpasca1TOft0fMercuryConvtn1 converts from kilopascal (kPa) to foot of mercury, conventional (ftHg) 12

**Usage**

NISTkpasca1TOft0fMercuryConvtn1(kpascal)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

foot of mercury, conventional (ftHg) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpasca1TOft0fMercuryConvtn1(10)

---

NISTkascalTOftOfWater

*Convert kilopascal to foot of water 12*

---

**Description**

NISTkascalTOftOfWater converts from kilopascal (kPa) to foot of water (39.2 F) 12

**Usage**

NISTkascalTOftOfWater(kpascal)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

foot of water (39.2 F) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkascalTOftOfWater(10)

---

NISTkpasca1TOft0fWaterConvtn1

*Convert kilopascal to foot of water, conventional 12*

---

**Description**

NISTkpasca1TOft0fWaterConvtn1 converts from kilopascal (kPa) to foot of water, conventional (ftH2O) 12

**Usage**

NISTkpasca1TOft0fWaterConvtn1(kpasca1)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

foot of water, conventional (ftH2O) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpasca1TOft0fWaterConvtn1(10)

---

NISTkpascaIT0inchOfMercury32F

*Convert kilopascal to inch of mercury 12*

---

**Description**

NISTkpascaIT0inchOfMercury32F converts from kilopascal (kPa) to inch of mercury (32 F) 12

**Usage**

NISTkpascaIT0inchOfMercury32F(kpascal)

**Arguments**

kpascal          kilopascal (kPa)

**Value**

inch of mercury (32 F) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpascaIT0inchOfMercury32F(10)

---

NISTkpascaIT0inchOfMercury60F

*Convert kilopascal to inch of mercury 12*

---

**Description**

NISTkpascaIT0inchOfMercury60F converts from kilopascal (kPa) to inch of mercury (60 F) 12

**Usage**

NISTkpascaIT0inchOfMercury60F(kpascal)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

inch of mercury (60 F) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpascaIT0inchOfMercury60F(10)

---

NISTkpascaIT0inchOfMercuryConvtnl

*Convert kilopascal to inch of mercury, conventional 12*

---

**Description**

NISTkpascaIT0inchOfMercuryConvtnl converts from kilopascal (kPa) to inch of mercury, conventional (inHg) 12

**Usage**

NISTkpascaIT0inchOfMercuryConvtnl(kpascal)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

inch of mercury, conventional (inHg) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpascaIT0inchOfMercuryConvtnl(10)



---

NISTkpascaIT0kgForcePerSqrCm

*Convert kilopascal to kilogram-force per square centimeter*

---

**Description**

NISTkpascaIT0kgForcePerSqrCm converts from kilopascal (kPa) to kilogram-force per square centimeter (kgf/cm<sup>2</sup>)

**Usage**

NISTkpascaIT0kgForcePerSqrCm(kpascal)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

kilogram-force per square centimeter (kgf/cm<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpascaIT0kgForcePerSqrCm(10)

---

NISTkpascaIT0kipPerSqrInch

*Convert kilopascal to kip per square inch*

---

**Description**

NISTkpascaIT0kipPerSqrInch converts from kilopascal (kPa) to kip per square inch (ksi) (kip/in<sup>2</sup>)

**Usage**

NISTkpascaIT0kipPerSqrInch(kpascal)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

kip per square inch (ksi) (kip/in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpascaIT0kipPerSqrInch(10)

---

NISTkpasca1T0millibar *Convert kilopascal to millibar*

---

**Description**

NISTkpasca1T0millibar converts from kilopascal (kPa) to millibar (mbar)

**Usage**

NISTkpasca1T0millibar(kpasca1)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

millibar (mbar)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpasca1T0millibar(10)

---

NISTkpascaITOpoundForcePerSqrInch

*Convert kilopascal to pound-force per square inch*

---

**Description**

NISTkpascaITOpoundForcePerSqrInch converts from kilopascal (kPa) to pound-force per square inch (psi) (lbf/in<sup>2</sup>)

**Usage**

NISTkpascaITOpoundForcePerSqrInch(kpascal)

**Arguments**

kpascal            kilopascal (kPa)

**Value**

pound-force per square inch (psi) (lbf/in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpascaITOpoundForcePerSqrInch(10)

---

NISTkpascaIT0psi	<i>Convert kilopascal to psi</i>
------------------	----------------------------------

---

**Description**

NISTkpascaIT0psi converts from kilopascal (kPa) to psi (pound-force per square inch) (lbf/in<sup>2</sup>)

**Usage**

NISTkpascaIT0psi(kpascaI)

**Arguments**

kpascal          kilopascal (kPa)

**Value**

psi (pound-force per square inch) (lbf/in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkpascaIT0psi(10)

---

NISTkPerWattTOdegFHourPerUkThUnIT

*Convert kelvin per watt to degree Fahrenheit hour per British thermal unitIT*

---

**Description**

NISTkPerWattTOdegFHourPerUkThUnIT converts from kelvin per watt (K/W) to degree Fahrenheit hour per British thermal unitIT (F \* h/BtuIT)

**Usage**

NISTkPerWattTOdegFHourPerUkThUnIT(kPerWatt)

**Arguments**

kPerWatt          kelvin per watt (K/W)

**Value**

degree Fahrenheit hour per British thermal unitIT (F \* h/BtuIT)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkPerWattTOdegFHourPerUkThUnIT(10)

---

NISTkPerWattTOdegFHourPerUkThUnth

*Convert kelvin per watt to degree Fahrenheit hour per British thermal unitth*

---

**Description**

NISTkPerWattTOdegFHourPerUkThUnth converts from kelvin per watt (K/W) to degree Fahrenheit hour per British thermal unitth (F \* h/Btuth)

**Usage**

NISTkPerWattTOdegFHourPerUkThUnth(kPerWatt)

**Arguments**

kPerWatt          kelvin per watt (K/W)

**Value**

degree Fahrenheit hour per British thermal unitth (F \* h/Btuth)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkPerWattTOdegFHourPerUkThUnth(10)

---

NISTkPerWattTOdegFSecPerUkThUnIT

*Convert kelvin per watt to degree Fahrenheit second per British thermal unitIT*

---

### Description

NISTkPerWattTOdegFSecPerUkThUnIT converts from kelvin per watt (K/W) to degree Fahrenheit second per British thermal unitIT (F \* s/BtuIT)

### Usage

NISTkPerWattTOdegFSecPerUkThUnIT(kPerWatt)

### Arguments

kPerWatt          kelvin per watt (K/W)

### Value

degree Fahrenheit second per British thermal unitIT (F \* s/BtuIT)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTkPerWattTOdegFSecPerUkThUnIT(10)



---

NISTkPerWattTOdegFSecPerUkThUnth

*Convert kelvin per watt to degree Fahrenheit second per British thermal unit*

---

### Description

NISTkPerWattTOdegFSecPerUkThUnth converts from kelvin per watt (K/W) to degree Fahrenheit second per British thermal unit (F \* s/Btuh)

### Usage

NISTkPerWattTOdegFSecPerUkThUnth(kPerWatt)

### Arguments

kPerWatt          kelvin per watt (K/W)

### Value

degree Fahrenheit second per British thermal unit (F \* s/Btuh)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTkPerWattTOdegFSecPerUkThUnth(10)

---

NISTkTOdegC

*Convert kelvin to degree Celsius*

---

**Description**

NISTkTOdegC converts from kelvin (K) to degree Celsius (temperature interval) (C)

**Usage**

NISTkTOdegC(k)

**Arguments**

k                    kelvin (K)

**Value**

degree Celsius (temperature interval) (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkTOdegC(10)

---

NISTkTOdegCinterval     *Convert kelvin temperature interval to degree Celsius*

---

**Description**

NISTkTOdegCinterval converts from kelvin (K) to degree Celsius (temperature interval) (C)

**Usage**

NISTkTOdegCinterval(k)

**Arguments**

k                    kelvin (K)

**Value**

degree Celsius (temperature interval) (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkTOdegCinterval(10)

---

NISTkTOdegF

*Convert kelvin to degree Fahrenheit*

---

**Description**

NISTkTOdegF converts from kelvin (K) to degree Fahrenheit (temperature interval) (F)

**Usage**

NISTkTOdegF(k)

**Arguments**

k                    kelvin (K)

**Value**

degree Fahrenheit (temperature interval) (F)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkTOdegF(10)

---

NISTkTOdegFinterval     *Convert kelvin temperature interval to degree Fahrenheit*

---

**Description**

NISTkTOdegFinterval converts from kelvin (K) to degree Fahrenheit (temperature interval) (F)

**Usage**

NISTkTOdegFinterval(k)

**Arguments**

k                      kelvin (K)

**Value**

degree Fahrenheit (temperature interval) (F)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkTOdegFinterval(10)

---

NISTkTOdegRankine      *Convert kelvin to degree Rankine*

---

**Description**

NISTkTOdegRankine converts from kelvin (K) to degree Rankine (temperature interval) (R)

**Usage**

NISTkTOdegRankine(k)

**Arguments**

k                      kelvin (K)

**Value**

degree Rankine (temperature interval) (R)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkTOdegRankine(10)

---

NISTkTOdegRankineInterval

*Convert kelvin temperature interval to degree Rankine*

---

**Description**

NISTkTOdegRankineInterval converts from kelvin (K) to degree Rankine (temperature interval) (R)

**Usage**

NISTkTOdegRankineInterval(k)

**Arguments**

k                    kelvin (K)

**Value**

degree Rankine (temperature interval) (R)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTkTOdegRankineInterval(10)

---

NISTlambertTOcandelaPerSqrMeter

*Convert lambert 17 to candela per square meter*

---

**Description**

NISTlambertTOcandelaPerSqrMeter converts from lambert 17 to candela per square meter (cd/m<sup>2</sup>)

**Usage**

NISTlambertTOcandelaPerSqrMeter(lambert)

**Arguments**

lambert            lambert 17

**Value**

candela per square meter (cd/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTlambertTOcandelaPerSqrMeter(10)



---

NISTlangleyTOjoulePerSqrMeter

*Convert langley to joule per square meter*

---

**Description**

NISTlangleyTOjoulePerSqrMeter converts from langley (calth/cm2) to joule per square meter (J/m2)

**Usage**

NISTlangleyTOjoulePerSqrMeter(langley)

**Arguments**

langley            langley (calth/cm2)

**Value**

joule per square meter (J/m2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTlangleyTOjoulePerSqrMeter(10)

---

NISTlightYearTOMeter    *Convert light year 18 to meter*

---

**Description**

NISTlightYearTOMeter converts from light year (l.y.) 18 to meter (m)

**Usage**

NISTlightYearTOMeter(lightYear)

**Arguments**

lightYear      light year (l.y.) 18

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTlightYearTOMeter(10)

---

NISTliterPer100KmTOMilePerGallon

*Convert liter per 100 kilometer to mile per gallon 21*

---

**Description**

NISTliterPer100KmTOMilePerGallon converts from liter per 100 kilometer (L/100 km) to mile per gallon (U.S.) (mpg) (mi/gal) 21

**Usage**

NISTliterPer100KmTOMilePerGallon(literPer100Km)

**Arguments**

literPer100Km    liter per 100 kilometer (L/100 km)

**Value**

mile per gallon (U.S.) (mpg) (mi/gal) 21

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterPer100KmTOMilePerGallon(10)

---

NISTliterPerJouleTOgallonPerHorsepowerHour

*Convert liter per joule to gallon per horsepower hour*

---

**Description**

NISTliterPerJouleTOgallonPerHorsepowerHour converts from liter per joule (L/J) to gallon (U.S.) per horsepower hour [gal/(hp \* h)]

**Usage**

```
NISTliterPerJouleTOgallonPerHorsepowerHour(literPerJoule)
```

**Arguments**

literPerJoule    liter per joule (L/J)

**Value**

gallon (U.S.) per horsepower hour [gal/(hp \* h)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

```
NISTliterPerJouleTOgallonPerHorsepowerHour(10)
```

---

NISTliterPerSecTOcubFtPerMin

*Convert liter per second to cubic foot per minute*

---

**Description**

NISTliterPerSecTOcubFtPerMin converts from liter per second (L/s) to cubic foot per minute (ft<sup>3</sup>/min)

**Usage**

NISTliterPerSecTOcubFtPerMin(literPerSec)

**Arguments**

literPerSec      liter per second (L/s)

**Value**

cubic foot per minute (ft<sup>3</sup>/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterPerSecTOcubFtPerMin(10)

---

NISTliterPerSecTOgallonPerDay

*Convert liter per second to gallon per day*

---

**Description**

NISTliterPerSecTOgallonPerDay converts from liter per second (L/s) to gallon (U.S.) per day (gal/d)

**Usage**

NISTliterPerSecTOgallonPerDay(literPerSec)

**Arguments**

literPerSec     liter per second (L/s)

**Value**

gallon (U.S.) per day (gal/d)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterPerSecTOgallonPerDay(10)

---

NISTliterPerSecTOgallonPerMin

*Convert liter per second to gallon per minute*

---

**Description**

NISTliterPerSecTOgallonPerMin converts from liter per second (L/s) to gallon (U.S.) per minute (gpm) (gal/min)

**Usage**

NISTliterPerSecTOgallonPerMin(literPerSec)

**Arguments**

literPerSec     liter per second (L/s)

**Value**

gallon (U.S.) per minute (gpm) (gal/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterPerSecTOgallonPerMin(10)

---

NISTliterTObarrel      *Convert liter to barrel*

---

**Description**

NISTliterTObarrel converts from liter (L) to barrel [for petroleum, 42 gallons (U.S.)] (bbl)

**Usage**

NISTliterTObarrel(liter)

**Arguments**

liter                  liter (L)

**Value**

barrel [for petroleum, 42 gallons (U.S.)] (bbl)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTObarrel(10)



---

NISTliterTObushel      *Convert liter to bushel*

---

**Description**

NISTliterTObushel converts from liter (L) to bushel (U.S.) (bu)

**Usage**

NISTliterTObushel(liter)

**Arguments**

liter                  liter (L)

**Value**

bushel (U.S.) (bu)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTObushel(10)

---

NISTliterTOcubMeter    *Convert liter 19 to cubic meter*

---

**Description**

NISTliterTOcubMeter converts from liter (L) 19 to cubic meter (m3)

**Usage**

NISTliterTOcubMeter(liter)

**Arguments**

liter            liter (L) 19

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTOcubMeter(10)

---

NISTliterTOcup	<i>Convert liter to cup</i>
----------------	-----------------------------

---

**Description**

NISTliterTOcup converts from liter (L) to cup (U.S.)

**Usage**

NISTliterTOcup(liter)

**Arguments**

liter	liter (L)
-------	-----------

**Value**

cup (U.S.)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTOcup(10)

---

NISTliterTOgallon      *Convert liter to gallon*

---

**Description**

NISTliterTOgallon converts from liter (L) to gallon (U.S.) (gal)

**Usage**

NISTliterTOgallon(liter)

**Arguments**

liter                  liter (L)

**Value**

gallon (U.S.) (gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTOgallon(10)

---

NISTliterTOgallonImperial

*Convert liter to gallon*

---

**Description**

NISTliterTOgallonImperial converts from liter (L) to gallon [Canadian and U.K. (Imperial)] (gal)

**Usage**

```
NISTliterTOgallonImperial(liter)
```

**Arguments**

liter	liter (L)
-------	-----------

**Value**

gallon [Canadian and U.K. (Imperial)] (gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

```
NISTliterTOgallonImperial(10)
```

---

NISTliterTOgill	<i>Convert liter to gill</i>
-----------------	------------------------------

---

**Description**

NISTliterTOgill converts from liter (L) to gill (U.S.) (gi)

**Usage**

NISTliterTOgill(liter)

**Arguments**

liter	liter (L)
-------	-----------

**Value**

gill (U.S.) (gi)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTOgill(10)

---

NISTliterTOgillImperial

*Convert liter to gill*

---

**Description**

NISTliterTOgillImperial converts from liter (L) to gill [Canadian and U.K. (Imperial)] (gi)

**Usage**

NISTliterTOgillImperial(liter)

**Arguments**

liter            liter (L)

**Value**

gill [Canadian and U.K. (Imperial)] (gi)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTOgillImperial(10)

---

NISTliterTOpeck	<i>Convert liter to peck</i>
-----------------	------------------------------

---

**Description**

NISTliterTOpeck converts from liter (L) to peck (U.S.) (pk)

**Usage**

NISTliterTOpeck(liter)

**Arguments**

liter            liter (L)

**Value**

peck (U.S.) (pk)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTOpeck(10)



---

NISTliterTOpintUSdry *Convert liter to pint*

---

**Description**

NISTliterTOpintUSdry converts from liter (L) to pint (U.S. dry) (dry pt)

**Usage**

NISTliterTOpintUSdry(liter)

**Arguments**

liter            liter (L)

**Value**

pint (U.S. dry) (dry pt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTOpintUSdry(10)

---

NISTliterTOpintUSliquid

*Convert liter to pint*

---

**Description**

NISTliterTOpintUSliquid converts from liter (L) to pint (U.S. liquid) (liq pt)

**Usage**

NISTliterTOpintUSliquid(liter)

**Arguments**

liter            liter (L)

**Value**

pint (U.S. liquid) (liq pt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTOpintUSliquid(10)

---

NISTliterTOquartUSdry *Convert liter to quart*

---

**Description**

NISTliterTOquartUSdry converts from liter (L) to quart (U.S. dry) (dry qt)

**Usage**

```
NISTliterTOquartUSdry(liter)
```

**Arguments**

liter	liter (L)
-------	-----------

**Value**

quart (U.S. dry) (dry qt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

```
NISTliterTOquartUSdry(10)
```

---

NISTliterTOquartUSliquid

*Convert liter to quart*

---

**Description**

NISTliterTOquartUSliquid converts from liter (L) to quart (U.S. liquid) (liq qt)

**Usage**

NISTliterTOquartUSliquid(liter)

**Arguments**

liter            liter (L)

**Value**

quart (U.S. liquid) (liq qt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTliterTOquartUSliquid(10)

---

NISTlumenPerSqrFtTOlux

*Convert lumen per square foot to lux*

---

**Description**

NISTlumenPerSqrFtTOlux converts from lumen per square foot (lm/ft<sup>2</sup>) to lux (lx)

**Usage**

NISTlumenPerSqrFtTOlux(lumenPerSqrFt)

**Arguments**

lumenPerSqrFt    lumen per square foot (lm/ft<sup>2</sup>)

**Value**

lux (lx)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTlumenPerSqrFtTOlux(10)

---

NISTluxTOftcandle	<i>Convert lux to footcandle</i>
-------------------	----------------------------------

---

**Description**

NISTluxTOftcandle converts from lux (lx) to footcandle

**Usage**

NISTluxTOftcandle(lux)

**Arguments**

lux	lux (lx)
-----	----------

**Value**

footcandle

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTluxTOftcandle(10)

---

NISTluxTOlumenPerSqrFt

*Convert lux to lumen per square foot*

---

**Description**

NISTluxTOlumenPerSqrFt converts from lux (lx) to lumen per square foot (lm/ft<sup>2</sup>)

**Usage**

NISTluxTOlumenPerSqrFt(lux)

**Arguments**

lux	lux (lx)
-----	----------

**Value**

lumen per square foot (lm/ft<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTluxTOlumenPerSqrFt(10)

---

NISTluxTPhot	<i>Convert lux to phot</i>
--------------	----------------------------

---

**Description**

NISTluxTPhot converts from lux (lx) to phot (ph)

**Usage**

NISTluxTPhot(lux)

**Arguments**

lux	lux (lx)
-----	----------

**Value**

phot (ph)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTluxTPhot(10)



---

NISTmaxwellTOweber      *Convert maxwell to weber*

---

**Description**

NISTmaxwellTOweber converts from maxwell (Mx) to weber (Wb)

**Usage**

NISTmaxwellTOweber(maxwell)

**Arguments**

maxwell            maxwell (Mx)

**Value**

weber (Wb)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmaxwellTOweber(10)

---

NISTmegajouleTOkilowattHour

*Convert megajoule to kilowatt hour*

---

**Description**

NISTmegajouleTOkilowattHour converts from megajoule (MJ) to kilowatt hour (kW \* h)

**Usage**

NISTmegajouleTOkilowattHour(megajoule)

**Arguments**

megajoule      megajoule (MJ)

**Value**

kilowatt hour (kW \* h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmegajouleTOkilowattHour(10)

---

NISTmeter4thPowerTOft4thPower

*Convert meter to the fourth power to foot to the fourth power 16*

---

**Description**

NISTmeter4thPowerTOft4thPower converts from meter to the fourth power (m<sup>4</sup>) to foot to the fourth power (ft<sup>4</sup>) 16

**Usage**

NISTmeter4thPowerTOft4thPower(meter4thPower)

**Arguments**

meter4thPower    meter to the fourth power (m<sup>4</sup>)

**Value**

foot to the fourth power (ft<sup>4</sup>) 16

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeter4thPowerTOft4thPower(10)

---

NISTmeter4thPowerTOinch4thPower

*Convert meter to the fourth power to inch to the fourth power 16*

---

**Description**

NISTmeter4thPowerTOinch4thPower converts from meter to the fourth power (m4) to inch to the fourth power (in4) 16

**Usage**

NISTmeter4thPowerTOinch4thPower(meter4thPower)

**Arguments**

meter4thPower    meter to the fourth power (m4)

**Value**

inch to the fourth power (in4) 16

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeter4thPowerTOinch4thPower(10)

---

NISTmeterKPerWattTOdegFHourSqrFtPerUkThUnITInch

*Convert meter kelvin per watt to degree Fahrenheit hour square foot per British thermal unitIT inch*

---

### Description

NISTmeterKPerWattTOdegFHourSqrFtPerUkThUnITInch converts from meter kelvin per watt ( $m * K/W$ ) to degree Fahrenheit hour square foot per British thermal unitIT inch [ $F * h * ft^2/(BtuIT * in)$ ]

### Usage

NISTmeterKPerWattTOdegFHourSqrFtPerUkThUnITInch(meterKPerWatt)

### Arguments

meterKPerWatt meter kelvin per watt ( $m * K/W$ )

### Value

degree Fahrenheit hour square foot per British thermal unitIT inch [ $F * h * ft^2/(BtuIT * in)$ ]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTmeterKPerWattTOdegFHourSqrFtPerUkThUnITInch(10)

---

NISTmeterKPerWattTOdegFHourSqrFtPerUkThUnthInch

*Convert meter kelvin per watt to degree Fahrenheit hour square foot per British thermal unitth inch*

---

### Description

NISTmeterKPerWattTOdegFHourSqrFtPerUkThUnthInch converts from meter kelvin per watt ( $m * K/W$ ) to degree Fahrenheit hour square foot per British thermal unitth inch [ $F * h * ft^2/(Btuth * in)$ ]

### Usage

NISTmeterKPerWattTOdegFHourSqrFtPerUkThUnthInch(meterKPerWatt)

### Arguments

meterKPerWatt    meter kelvin per watt ( $m * K/W$ )

### Value

degree Fahrenheit hour square foot per British thermal unitth inch [ $F * h * ft^2/(Btuth * in)$ ]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTmeterKPerWattTOdegFHourSqrFtPerUkThUnthInch(10)

---

NISTmeterPerCubMeterTOmilePerGallon

*Convert meter per cubic meter to mile per gallon*

---

**Description**

NISTmeterPerCubMeterTOmilePerGallon converts from meter per cubic meter (m/m<sup>3</sup>) to mile per gallon (U.S.) (mpg) (mi/gal)

**Usage**

NISTmeterPerCubMeterTOmilePerGallon(meterPerCubMeter)

**Arguments**

meterPerCubMeter  
meter per cubic meter (m/m<sup>3</sup>)

**Value**

mile per gallon (U.S.) (mpg) (mi/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerCubMeterTOmilePerGallon(10)

---

NISTmeterPerSecSqrTOaccelOfFreeFallStd

*Convert meter per second squared to acceleration of free fall, standard*

---

### **Description**

NISTmeterPerSecSqrTOaccelOfFreeFallStd converts from meter per second squared (m / s<sup>2</sup>) to acceleration of free fall, standard (gn)

### **Usage**

NISTmeterPerSecSqrTOaccelOfFreeFallStd(meterPerSecSqr)

### **Arguments**

meterPerSecSqr  
meter per second squared (m / s<sup>2</sup>)

### **Value**

acceleration of free fall, standard (gn)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTmeterPerSecSqrTOaccelOfFreeFallStd(10)



---

NISTmeterPerSecSqrDToftPerSecSqrD

*Convert meter per second squared to foot per second squared*

---

**Description**

NISTmeterPerSecSqrDToftPerSecSqrD converts from meter per second squared (m/s<sup>2</sup>) to foot per second squared (ft/s<sup>2</sup>)

**Usage**

NISTmeterPerSecSqrDToftPerSecSqrD(meterPerSecSqrD)

**Arguments**

meterPerSecSqrD  
meter per second squared (m/s<sup>2</sup>)

**Value**

foot per second squared (ft/s<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecSqrDToftPerSecSqrD(10)

---

NISTmeterPerSecSqrDT0gal

*Convert meter per second squared to gal*

---

**Description**

NISTmeterPerSecSqrDT0gal converts from meter per second squared (m/s<sup>2</sup>) to gal (Gal)

**Usage**

NISTmeterPerSecSqrDT0gal(meterPerSecSqrD)

**Arguments**

meterPerSecSqrD  
meter per second squared (m/s<sup>2</sup>)

**Value**

gal (Gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecSqrDT0gal(10)

---

NISTmeterPerSecSqrDTOinchPerSecSqrD

*Convert meter per second squared to inch per second squared*

---

### Description

NISTmeterPerSecSqrDTOinchPerSecSqrD converts from meter per second squared (m/s<sup>2</sup>) to inch per second squared (in/s<sup>2</sup>)

### Usage

NISTmeterPerSecSqrDTOinchPerSecSqrD(meterPerSecSqrD)

### Arguments

meterPerSecSqrD  
meter per second squared (m/s<sup>2</sup>)

### Value

inch per second squared (in/s<sup>2</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTmeterPerSecSqrDTOinchPerSecSqrD(10)

---

NISTmeterPerSecTOftPerHour

*Convert meter per second to foot per hour*

---

**Description**

NISTmeterPerSecTOftPerHour converts from meter per second (m/s) to foot per hour (ft/h)

**Usage**

NISTmeterPerSecTOftPerHour(meterPerSec)

**Arguments**

meterPerSec     meter per second (m/s)

**Value**

foot per hour (ft/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecTOftPerHour(10)

---

NISTmeterPerSecTOftPerMin

*Convert meter per second to foot per minute*

---

**Description**

NISTmeterPerSecTOftPerMin converts from meter per second (m/s) to foot per minute (ft/min)

**Usage**

NISTmeterPerSecTOftPerMin(meterPerSec)

**Arguments**

meterPerSec      meter per second (m/s)

**Value**

foot per minute (ft/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecTOftPerMin(10)

---

NISTmeterPerSecTOftPerSec

*Convert meter per second to foot per second*

---

**Description**

NISTmeterPerSecTOftPerSec converts from meter per second (m/s) to foot per second (ft/s)

**Usage**

NISTmeterPerSecTOftPerSec(meterPerSec)

**Arguments**

meterPerSec     meter per second (m/s)

**Value**

foot per second (ft/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecTOftPerSec(10)

---

NISTmeterPerSecTOinchPerSec

*Convert meter per second to inch per second*

---

**Description**

NISTmeterPerSecTOinchPerSec converts from meter per second (m/s) to inch per second (in/s)

**Usage**

NISTmeterPerSecTOinchPerSec(meterPerSec)

**Arguments**

meterPerSec      meter per second (m/s)

**Value**

inch per second (in/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecTOinchPerSec(10)

---

NISTmeterPerSecTOKmPerHour

*Convert meter per second to kilometer per hour*

---

**Description**

NISTmeterPerSecTOKmPerHour converts from meter per second (m/s) to kilometer per hour (km/h)

**Usage**

NISTmeterPerSecTOKmPerHour(meterPerSec)

**Arguments**

meterPerSec     meter per second (m/s)

**Value**

kilometer per hour (km/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecTOKmPerHour(10)



---

NISTmeterPerSecToknot *Convert meter per second to knot*

---

**Description**

NISTmeterPerSecToknot converts from meter per second (m/s) to knot (nautical mile per hour)

**Usage**

NISTmeterPerSecToknot(meterPerSec)

**Arguments**

meterPerSec     meter per second (m/s)

**Value**

knot (nautical mile per hour)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecToknot(10)

---

NISTmeterPerSecTOmilePerHour

*Convert meter per second to mile per hour*

---

**Description**

NISTmeterPerSecTOmilePerHour converts from meter per second (m/s) to mile per hour (mi/h)

**Usage**

NISTmeterPerSecTOmilePerHour(meterPerSec)

**Arguments**

meterPerSec      meter per second (m/s)

**Value**

mile per hour (mi/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecTOmilePerHour(10)

---

NISTmeterPerSecTOmilePerMin

*Convert meter per second to mile per minute*

---

**Description**

NISTmeterPerSecTOmilePerMin converts from meter per second (m/s) to mile per minute (mi/min)

**Usage**

NISTmeterPerSecTOmilePerMin(meterPerSec)

**Arguments**

meterPerSec     meter per second (m/s)

**Value**

mile per minute (mi/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecTOmilePerMin(10)

---

NISTmeterPerSecTOmilePerSec

*Convert meter per second to mile per second*

---

**Description**

NISTmeterPerSecTOmilePerSec converts from meter per second (m/s) to mile per second (mi/s)

**Usage**

NISTmeterPerSecTOmilePerSec(meterPerSec)

**Arguments**

meterPerSec      meter per second (m/s)

**Value**

mile per second (mi/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterPerSecTOmilePerSec(10)

---

NISTmeterSqrDPerSecTOcentistokes

*Convert meter squared per second to centistokes*

---

### **Description**

NISTmeterSqrDPerSecTOcentistokes converts from meter squared per second (m<sup>2</sup>/s) to centistokes (cSt)

### **Usage**

NISTmeterSqrDPerSecTOcentistokes(meterSqrDPerSec)

### **Arguments**

meterSqrDPerSec  
meter squared per second (m<sup>2</sup>/s)

### **Value**

centistokes (cSt)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTmeterSqrDPerSecTOcentistokes(10)

---

NISTmeterSqrDPerSecTOstokes

*Convert meter squared per second to stokes*

---

**Description**

NISTmeterSqrDPerSecTOstokes converts from meter squared per second (m<sup>2</sup>/s) to stokes (St)

**Usage**

NISTmeterSqrDPerSecTOstokes(meterSqrDPerSec)

**Arguments**

meterSqrDPerSec  
meter squared per second (m<sup>2</sup>/s)

**Value**

stokes (St)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterSqrDPerSecTOstokes(10)

---

NISTmeterSqrTOdarcy *Convert meter squared to darcy 14*

---

**Description**

NISTmeterSqrTOdarcy converts from meter squared (m2) to darcy 14

**Usage**

NISTmeterSqrTOdarcy(meterSqr)

**Arguments**

meterSqr      meter squared (m2)

**Value**

darcy 14

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterSqrTOdarcy(10)

---

NISTmeterTOangstrom    *Convert meter to angstrom*

---

**Description**

NISTmeterTOangstrom converts from meter (m) to angstrom (a)

**Usage**

NISTmeterTOangstrom(meter)

**Arguments**

meter            meter (m)

**Value**

angstrom (a)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOangstrom(10)



---

NISTmeterTOastronomicalUn

*Convert meter to astronomical unit*

---

**Description**

NISTmeterTOastronomicalUn converts from meter (m) to astronomical unit (ua)

**Usage**

NISTmeterTOastronomicalUn(meter)

**Arguments**

meter            meter (m)

**Value**

astronomical unit (ua)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOastronomicalUn(10)

---

NISTmeterTOchain      *Convert meter to chain 7*

---

**Description**

NISTmeterTOchain converts from meter (m) to chain (based on U.S. survey foot) (ch) 7

**Usage**

NISTmeterTOchain(meter)

**Arguments**

meter                  meter (m)

**Value**

chain (based on U.S. survey foot) (ch) 7

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOchain(10)

---

NISTmeterTOfathom      *Convert meter to fathom* 7

---

**Description**

NISTmeterTOfathom converts from meter (m) to fathom (based on U.S. survey foot) 7

**Usage**

NISTmeterTOfathom(meter)

**Arguments**

meter                  meter (m)

**Value**

fathom (based on U.S. survey foot) 7

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOfathom(10)

---

NISTmeterTOfermi	<i>Convert meter to fermi</i>
------------------	-------------------------------

---

**Description**

NISTmeterTOfermi converts from meter (m) to fermi

**Usage**

NISTmeterTOfermi(meter)

**Arguments**

meter	meter (m)
-------	-----------

**Value**

fermi

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOfermi(10)

---

NISTmeterTOft	<i>Convert meter to foot</i>
---------------	------------------------------

---

**Description**

NISTmeterTOft converts from meter (m) to foot (ft)

**Usage**

NISTmeterTOft(meter)

**Arguments**

meter            meter (m)

**Value**

foot (ft)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOft(10)

---

NISTmeterTOftUSSurvey *Convert meter to foot 7*

---

**Description**

NISTmeterTOftUSSurvey converts from meter (m) to foot (U.S. survey) (ft) 7

**Usage**

NISTmeterTOftUSSurvey(meter)

**Arguments**

meter            meter (m)

**Value**

foot (U.S. survey) (ft) 7

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOftUSSurvey(10)

---

NISTmeterTOinch	<i>Convert meter to inch</i>
-----------------	------------------------------

---

**Description**

NISTmeterTOinch converts from meter (m) to inch (in)

**Usage**

NISTmeterTOinch(meter)

**Arguments**

meter            meter (m)

**Value**

inch (in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOinch(10)

---

NISTmeterTOlightYear *Convert meter to light year 18*

---

**Description**

NISTmeterTOlightYear converts from meter (m) to light year (l.y.) 18

**Usage**

NISTmeterTOlightYear(meter)

**Arguments**

meter            meter (m)

**Value**

light year (l.y.) 18

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOlightYear(10)



---

NISTmeterTOMICROINCH *Convert meter to microinch*

---

**Description**

NISTmeterTOMICROINCH converts from meter (m) to microinch

**Usage**

NISTmeterTOMICROINCH(meter)

**Arguments**

meter            meter (m)

**Value**

microinch

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOMICROINCH(10)

---

NISTmeterTOmicron      *Convert meter to micron*

---

**Description**

NISTmeterTOmicron converts from meter (m) to micron (u)

**Usage**

NISTmeterTOmicron(meter)

**Arguments**

meter                  meter (m)

**Value**

micron (u)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOmicron(10)

---

NISTmeterTOmil	<i>Convert meter to mil</i>
----------------	-----------------------------

---

**Description**

NISTmeterTOmil converts from meter (m) to mil (0.001 in)

**Usage**

NISTmeterTOmil(meter)

**Arguments**

meter            meter (m)

**Value**

mil (0.001 in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOmil(10)

---

NISTmeterTOmile	<i>Convert meter to mile</i>
-----------------	------------------------------

---

**Description**

NISTmeterTOmile converts from meter (m) to mile (mi)

**Usage**

NISTmeterTOmile(meter)

**Arguments**

meter	meter (m)
-------	-----------

**Value**

mile (mi)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOmile(10)

---

NISTmeterTOmileNautical

*Convert meter to mile, nautical 20*

---

**Description**

NISTmeterTOmileNautical converts from meter (m) to mile, nautical 20

**Usage**

NISTmeterTOmileNautical(meter)

**Arguments**

meter            meter (m)

**Value**

mile, nautical 20

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOmileNautical(10)

NISTmeterTOmileUSSurvey

*Convert meter to mile 7*

---

**Description**

NISTmeterTOmileUSSurvey converts from meter (m) to mile (based on U.S. survey foot) (mi) 7

**Usage**

NISTmeterTOmileUSSurvey(meter)

**Arguments**

meter            meter (m)

**Value**

mile (based on U.S. survey foot) (mi) 7

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOmileUSSurvey(10)

---

NISTmeterTOpasec	<i>Convert meter to parsec</i>
------------------	--------------------------------

---

**Description**

NISTmeterTOpasec converts from meter (m) to parsec (pc)

**Usage**

NISTmeterTOpasec(meter)

**Arguments**

meter	meter (m)
-------	-----------

**Value**

parsec (pc)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOpasec(10)

---

NISTmeterTOpicaComputer

*Convert meter to pica*

---

**Description**

NISTmeterTOpicaComputer converts from meter (m) to pica (computer) (1/6 in)

**Usage**

NISTmeterTOpicaComputer(meter)

**Arguments**

meter            meter (m)

**Value**

pica (computer) (1/6 in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOpicaComputer(10)



---

NISTmeterTOpicaPrinter

*Convert meter to pica*

---

**Description**

NISTmeterTOpicaPrinter converts from meter (m) to pica (printer's)

**Usage**

NISTmeterTOpicaPrinter(meter)

**Arguments**

meter            meter (m)

**Value**

pica (printer's)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOpicaPrinter(10)

---

NISTmeterTToPointComputer

*Convert meter to point*

---

**Description**

NISTmeterTToPointComputer converts from meter (m) to point (computer) (1/72 in)

**Usage**

NISTmeterTToPointComputer(meter)

**Arguments**

meter            meter (m)

**Value**

point (computer) (1/72 in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTToPointComputer(10)

---

NISTmeterTToPointPrinter

*Convert meter to point*

---

**Description**

NISTmeterTToPointPrinter converts from meter (m) to point (printer's)

**Usage**

NISTmeterTToPointPrinter(meter)

**Arguments**

meter	meter (m)
-------	-----------

**Value**

point (printer's)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTToPointPrinter(10)

---

NISTmeterTOrod      *Convert meter to rod 7*

---

**Description**

NISTmeterTOrod converts from meter (m) to rod (based on U.S. survey foot) (rd) 7

**Usage**

NISTmeterTOrod(meter)

**Arguments**

meter                  meter (m)

**Value**

rod (based on U.S. survey foot) (rd) 7

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOrod(10)

---

NISTmeterTOyard	<i>Convert meter to yard</i>
-----------------	------------------------------

---

**Description**

NISTmeterTOyard converts from meter (m) to yard (yd)

**Usage**

NISTmeterTOyard(meter)

**Arguments**

meter	meter (m)
-------	-----------

**Value**

yard (yd)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmeterTOyard(10)

---

NISTmhoTOsiemens      *Convert mho to siemens*

---

**Description**

NISTmhoTOsiemens converts from mho to siemens (S)

**Usage**

NISTmhoTOsiemens(mho)

**Arguments**

mho                      mho

**Value**

siemens (S)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmhoTOsiemens(10)

---

NISTmicroinchTometer *Convert microinch to meter*

---

**Description**

NISTmicroinchTometer converts from microinch to meter (m)

**Usage**

NISTmicroinchTometer(microinch)

**Arguments**

microinch      microinch

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmicroinchTometer(10)

---

NISTmicroinchTOMICROMETER

*Convert microinch to micrometer*

---

**Description**

NISTmicroinchTOMICROMETER converts from microinch to micrometer (um)

**Usage**

NISTmicroinchTOMICROMETER(microinch)

**Arguments**

microinch      microinch

**Value**

micrometer (um)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmicroinchTOMICROMETER(10)



---

NISTmicrometerTOMICROINCH

*Convert micrometer to microinch*

---

**Description**

NISTmicrometerTOMICROINCH converts from micrometer (um) to microinch

**Usage**

NISTmicrometerTOMICROINCH(micrometer)

**Arguments**

micrometer      micrometer (um)

**Value**

microinch

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmicrometerTOMICROINCH(10)

---

NISTmicrometerTOmicron

*Convert micrometer to micron*

---

**Description**

NISTmicrometerTOmicron converts from micrometer (um) to micron (u)

**Usage**

NISTmicrometerTOmicron(micrometer)

**Arguments**

micrometer      micrometer (um)

**Value**

micron (u)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmicrometerTOmicron(10)

---

NISTmicronTOMeter	<i>Convert micron to meter</i>
-------------------	--------------------------------

---

**Description**

NISTmicronTOMeter converts from micron (u) to meter (m)

**Usage**

NISTmicronTOMeter(micron)

**Arguments**

micron            micron (u)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmicronTOMeter(10)

---

NISTmicronTOmicrometer

*Convert micron to micrometer*

---

**Description**

NISTmicronTOmicrometer converts from micron (u) to micrometer (um)

**Usage**

NISTmicronTOmicrometer(micron)

**Arguments**

micron            micron (u)

**Value**

micrometer (um)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmicronTOmicrometer(10)

---

NISTmileNauticalTOMeter

*Convert mile, nautical 20 to meter*

---

**Description**

NISTmileNauticalTOMeter converts from mile, nautical 20 to meter (m)

**Usage**

NISTmileNauticalTOMeter(mileNautical)

**Arguments**

mileNautical    mile, nautical 20

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmileNauticalTOMeter(10)

---

NISTmilePerGallonTOkmPerLiter

*Convert mile per gallon to kilometer per liter*

---

**Description**

NISTmilePerGallonTOkmPerLiter converts from mile per gallon (U.S.) (mpg) (mi/gal) to kilometer per liter (km/L)

**Usage**

NISTmilePerGallonTOkmPerLiter(milePerGallon)

**Arguments**

milePerGallon    mile per gallon (U.S.) (mpg) (mi/gal)

**Value**

kilometer per liter (km/L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilePerGallonTOkmPerLiter(10)

---

NISTmilePerGallonTOliterPer100Km

*Convert mile per gallon 21 to liter per 100 kilometer*

---

**Description**

NISTmilePerGallonTOliterPer100Km converts from mile per gallon (U.S.) (mpg) (mi/gal) 21 to liter per 100 kilometer (L/100 km)

**Usage**

NISTmilePerGallonTOliterPer100Km(milePerGallon)

**Arguments**

milePerGallon mile per gallon (U.S.) (mpg) (mi/gal) 21

**Value**

liter per 100 kilometer (L/100 km)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilePerGallonTOliterPer100Km(10)

NISTmilePerGallonTOmeterPerCubMeter

*Convert mile per gallon to meter per cubic meter*

---

**Description**

NISTmilePerGallonTOmeterPerCubMeter converts from mile per gallon (U.S.) (mpg) (mi/gal) to meter per cubic meter (m/m<sup>3</sup>)

**Usage**

NISTmilePerGallonTOmeterPerCubMeter(milePerGallon)

**Arguments**

milePerGallon mile per gallon (U.S.) (mpg) (mi/gal)

**Value**

meter per cubic meter (m/m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilePerGallonTOmeterPerCubMeter(10)



---

NISTmilePerHourTOkmPerHour

*Convert mile per hour to kilometer per hour*

---

**Description**

NISTmilePerHourTOkmPerHour converts from mile per hour (mi/h) to kilometer per hour (km/h)

**Usage**

NISTmilePerHourTOkmPerHour(milePerHour)

**Arguments**

milePerHour      mile per hour (mi/h)

**Value**

kilometer per hour (km/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilePerHourTOkmPerHour(10)

---

NISTmilePerHourTOMeterPerSec

*Convert mile per hour to meter per second*

---

**Description**

NISTmilePerHourTOMeterPerSec converts from mile per hour (mi/h) to meter per second (m/s)

**Usage**

NISTmilePerHourTOMeterPerSec(milePerHour)

**Arguments**

milePerHour      mile per hour (mi/h)

**Value**

meter per second (m/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilePerHourTOMeterPerSec(10)

---

NISTmilePerMinTOMeterPerSec

*Convert mile per minute to meter per second*

---

**Description**

NISTmilePerMinTOMeterPerSec converts from mile per minute (mi/min) to meter per second (m/s)

**Usage**

NISTmilePerMinTOMeterPerSec(milePerMin)

**Arguments**

milePerMin      mile per minute (mi/min)

**Value**

meter per second (m/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilePerMinTOMeterPerSec(10)

---

NISTmilePerSecTOMeterPerSec

*Convert mile per second to meter per second*

---

**Description**

NISTmilePerSecTOMeterPerSec converts from mile per second (mi/s) to meter per second (m/s)

**Usage**

NISTmilePerSecTOMeterPerSec(milePerSec)

**Arguments**

milePerSec      mile per second (mi/s)

**Value**

meter per second (m/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilePerSecTOMeterPerSec(10)

---

NISTmileT0km

*Convert mile to kilometer*

---

**Description**

NISTmileT0km converts from mile (mi) to kilometer (km)

**Usage**

NISTmileT0km(mile)

**Arguments**

mile            mile (mi)

**Value**

kilometer (km)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmileT0km(10)

---

NISTmileTOMeter	<i>Convert mile to meter</i>
-----------------	------------------------------

---

**Description**

NISTmileTOMeter converts from mile (mi) to meter (m)

**Usage**

NISTmileTOMeter(mile)

**Arguments**

mile            mile (mi)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmileTOMeter(10)

---

NISTmileUSsurveyT0km *Convert mile 7 to kilometer*

---

**Description**

NISTmileUSsurveyT0km converts from mile (based on U.S. survey foot) (mi) 7 to kilometer (km)

**Usage**

NISTmileUSsurveyT0km(mileUSsurvey)

**Arguments**

mileUSsurvey    mile (based on U.S. survey foot) (mi) 7

**Value**

kilometer (km)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmileUSsurveyT0km(10)

---

NISTmileUSsurveyTOMeter

*Convert mile 7 to meter*

---

**Description**

NISTmileUSsurveyTOMeter converts from mile (based on U.S. survey foot) (mi) 7 to meter (m)

**Usage**

NISTmileUSsurveyTOMeter(mileUSsurvey)

**Arguments**

mileUSsurvey    mile (based on U.S. survey foot) (mi) 7

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmileUSsurveyTOMeter(10)



---

NISTmillibarTOkpasca *Convert millibar to kilopascal*

---

**Description**

NISTmillibarTOkpasca converts from millibar (mbar) to kilopascal (kPa)

**Usage**

NISTmillibarTOkpasca(millibar)

**Arguments**

millibar          millibar (mbar)

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmillibarTOkpasca(10)

---

NISTmillibarTOpascal *Convert millibar to pascal*

---

**Description**

NISTmillibarTOpascal converts from millibar (mbar) to pascal (Pa)

**Usage**

NISTmillibarTOpascal(millibar)

**Arguments**

millibar          millibar (mbar)

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmillibarTOpascal(10)

---

NISTmilligramPerLiterTOgrainPerGallon

*Convert milligram per liter to grain per gallon*

---

**Description**

NISTmilligramPerLiterTOgrainPerGallon converts from milligram per liter (mg/L) to grain per gallon (U.S.) (gr/gal)

**Usage**

NISTmilligramPerLiterTOgrainPerGallon(milligramPerLiter)

**Arguments**

milligramPerLiter  
milligram per liter (mg/L)

**Value**

grain per gallon (U.S.) (gr/gal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilligramPerLiterTOgrainPerGallon(10)

---

NISTmilligramTOgrain *Convert milligram to grain*

---

**Description**

NISTmilligramTOgrain converts from milligram (mg) to grain (gr)

**Usage**

NISTmilligramTOgrain(milligram)

**Arguments**

milligram      milligram (mg)

**Value**

grain (gr)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilligramTOgrain(10)

---

NISTmillimeterOfMercuryConvtnlTOpascal

*Convert millimeter of mercury, conventional 12 to pascal*

---

**Description**

NISTmillimeterOfMercuryConvtnlTOpascal converts from millimeter of mercury, conventional (mmHg) 12 to pascal (Pa)

**Usage**

NISTmillimeterOfMercuryConvtnlTOpascal(millimeterOfMercuryConvtnl)

**Arguments**

millimeterOfMercuryConvtnl  
millimeter of mercury, conventional (mmHg) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmillimeterOfMercuryConvtnlTOpascal(10)

---

NISTmillimeterOfWaterConvtnlTOpascal

*Convert millimeter of water, conventional 12 to pascal*

---

**Description**

NISTmillimeterOfWaterConvtnlTOpascal converts from millimeter of water, conventional (mm H<sub>2</sub>O) 12 to pascal (Pa)

**Usage**

NISTmillimeterOfWaterConvtnlTOpascal(millimeterOfWaterConvtnl)

**Arguments**

millimeterOfWaterConvtnl  
millimeter of water, conventional (mm H<sub>2</sub>O) 12

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmillimeterOfWaterConvtnlTOpascal(10)

---

NISTmillimeterTOmil    *Convert millimeter to mil*

---

**Description**

NISTmillimeterTOmil converts from millimeter (mm) to mil (0.001 in)

**Usage**

NISTmillimeterTOmil(millimeter)

**Arguments**

millimeter      millimeter (mm)

**Value**

mil (0.001 in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmillimeterTOmil(10)

---

NISTmillimeterTOpicaComputer  
*Convert millimeter to pica*

---

**Description**

NISTmillimeterTOpicaComputer converts from millimeter (mm) to pica (computer) (1/6 in)

**Usage**

NISTmillimeterTOpicaComputer(millimeter)

**Arguments**

millimeter      millimeter (mm)

**Value**

pica (computer) (1/6 in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmillimeterTOpicaComputer(10)



---

NISTmillimeterTOpicaPrinter  
*Convert millimeter to pica*

---

**Description**

NISTmillimeterTOpicaPrinter converts from millimeter (mm) to pica (printer's)

**Usage**

```
NISTmillimeterTOpicaPrinter(millimeter)
```

**Arguments**

millimeter	millimeter (mm)
------------	-----------------

**Value**

pica (printer's)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

```
NISTmillimeterTOpicaPrinter(10)
```

---

NISTmillimeterTOpaintComputer  
*Convert millimeter to point*

---

**Description**

NISTmillimeterTOpaintComputer converts from millimeter (mm) to point (computer) (1/72 in)

**Usage**

NISTmillimeterTOpaintComputer(millimeter)

**Arguments**

millimeter      millimeter (mm)

**Value**

point (computer) (1/72 in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmillimeterTOpaintComputer(10)

---

NISTmillimeterTOpointPrinter  
*Convert millimeter to point*

---

**Description**

NISTmillimeterTOpointPrinter converts from millimeter (mm) to point (printer's)

**Usage**

NISTmillimeterTOpointPrinter(millimeter)

**Arguments**

millimeter      millimeter (mm)

**Value**

point (printer's)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmillimeterTOpointPrinter(10)

---

NISTmillinewtonMeterTOounceForceInch

*Convert millinewton meter to ounce -force inch*

---

### **Description**

NISTmillinewtonMeterTOounceForceInch converts from millinewton meter ( $\text{mN} \cdot \text{m}$ ) to ounce (avoirdupois)-force inch ( $\text{ozf} \cdot \text{in}$ )

### **Usage**

NISTmillinewtonMeterTOounceForceInch(millinewtonMeter)

### **Arguments**

millinewtonMeter  
millinewton meter ( $\text{mN} \cdot \text{m}$ )

### **Value**

ounce (avoirdupois)-force inch ( $\text{ozf} \cdot \text{in}$ )

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTmillinewtonMeterTOounceForceInch(10)

---

NISTmilTOdeg	<i>Convert mil to degree</i>
--------------	------------------------------

---

**Description**

NISTmilTOdeg converts from mil (angle) to degree ()

**Usage**

NISTmilTOdeg(mil)

**Arguments**

mil                    mil (angle)

**Value**

degree ()

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilTOdeg(10)

---

NISTmilTometer	<i>Convert mil to meter</i>
----------------	-----------------------------

---

**Description**

NISTmilTometer converts from mil (0.001 in) to meter (m)

**Usage**

NISTmilTometer(mil)

**Arguments**

mil	mil (0.001 in)
-----	----------------

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilTometer(10)

---

NISTmilTOMillimeter     *Convert mil to millimeter*

---

**Description**

NISTmilTOMillimeter converts from mil (0.001 in) to millimeter (mm)

**Usage**

NISTmilTOMillimeter(mil)

**Arguments**

mil                    mil (0.001 in)

**Value**

millimeter (mm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilTOMillimeter(10)

---

NISTmilToRadian	<i>Convert mil to radian</i>
-----------------	------------------------------

---

**Description**

NISTmilToRadian converts from mil (angle) to radian (rad)

**Usage**

NISTmilToRadian(mil)

**Arguments**

mil	mil (angle)
-----	-------------

**Value**

radian (rad)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmilToRadian(10)



---

NISTminSiderealTOsec *Convert minute to second*

---

**Description**

NISTminSiderealTOsec converts from minute (sidereal) to second (s)

**Usage**

NISTminSiderealTOsec(minSidereal)

**Arguments**

minSidereal     minute (sidereal)

**Value**

second (s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTminSiderealTOsec(10)

---

NISTminTOradian	<i>Convert minute to radian</i>
-----------------	---------------------------------

---

**Description**

NISTminTOradian converts from minute (angle) (') to radian (rad)

**Usage**

NISTminTOradian(min)

**Arguments**

min	minute (angle) (')
-----	--------------------

**Value**

radian (rad)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTminTOradian(10)

---

NISTminTOsec	<i>Convert minute to second</i>
--------------	---------------------------------

---

**Description**

NISTminTOsec converts from minute (min) to second (s)

**Usage**

NISTminTOsec(min)

**Arguments**

min                    minute (min)

**Value**

second (s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTminTOsec(10)

---

NISTmITOCup      *Convert milliliter to cup*

---

**Description**

NISTmITOCup converts from milliliter (mL) to cup (U.S.)

**Usage**

NISTmITOCup(mL)

**Arguments**

mL                      milliliter (mL)

**Value**

cup (U.S.)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmITOCup(10)

---

NISTmITOfFluidOunce      *Convert milliliter to fluid ounce*

---

**Description**

NISTmITOfFluidOunce converts from milliliter (mL) to fluid ounce (U.S.) (fl oz)

**Usage**

NISTmITOfFluidOunce(ml)

**Arguments**

ml                      milliliter (mL)

**Value**

fluid ounce (U.S.) (fl oz)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmITOfFluidOunce(10)

---

NISTmTOunce

*Convert milliliter to ounce*

---

**Description**

NISTmTOunce converts from milliliter (mL) to ounce (U.S. fluid) (fl oz)

**Usage**

NISTmTOunce(mL)

**Arguments**

mL                    milliliter (mL)

**Value**

ounce (U.S. fluid) (fl oz)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmTOunce(10)

---

NISTmTOunceImperial *Convert milliliter to ounce*

---

**Description**

NISTmTOunceImperial converts from milliliter (mL) to ounce [Canadian and U.K. fluid (Imperial)] (fl oz)

**Usage**

NISTmTOunceImperial(ml)

**Arguments**

ml                    milliliter (mL)

**Value**

ounce [Canadian and U.K. fluid (Imperial)] (fl oz)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmTOunceImperial(10)

---

NISTmIT0tablespoon     *Convert milliliter to tablespoon*

---

**Description**

NISTmIT0tablespoon converts from milliliter (mL) to tablespoon

**Usage**

NISTmIT0tablespoon(ml)

**Arguments**

ml                    milliliter (mL)

**Value**

tablespoon

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmIT0tablespoon(10)



---

NISTmIT0teaspoon      *Convert milliliter to teaspoon*

---

**Description**

NISTmIT0teaspoon converts from milliliter (mL) to teaspoon

**Usage**

NISTmIT0teaspoon(ml)

**Arguments**

ml                      milliliter (mL)

**Value**

teaspoon

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmIT0teaspoon(10)

---

NISTmpascalTOkgForcePerSqrMillimeter

*Convert megapascal to kilogram-force per square millimeter*

---

**Description**

NISTmpascalTOkgForcePerSqrMillimeter converts from megapascal (MPa) to kilogram-force per square millimeter (kgf/mm<sup>2</sup>)

**Usage**

NISTmpascalTOkgForcePerSqrMillimeter(mppascal)

**Arguments**

mpascal            megapascal (MPa)

**Value**

kilogram-force per square millimeter (kgf/mm<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTmpascalTOkgForcePerSqrMillimeter(10)

---

NISTnanometerTOangstrom

*Convert nanometer to angstrom*

---

**Description**

NISTnanometerTOangstrom converts from nanometer (nm) to angstrom (a)

**Usage**

NISTnanometerTOangstrom(nanometer)

**Arguments**

nanometer      nanometer (nm)

**Value**

angstrom (a)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnanometerTOangstrom(10)

NISTnanosecTOshake      *Convert nanosecond to shake*

---

**Description**

NISTnanosecTOshake converts from nanosecond (ns) to shake

**Usage**

NISTnanosecTOshake(nanosec)

**Arguments**

nanosec                  nanosecond (ns)

**Value**

shake

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnanosecTOshake(10)

---

NISTnewtonMeterPerMeterTOpoundForceFtPerInch

*Convert newton meter per meter to pound-force foot per inch*

---

### Description

NISTnewtonMeterPerMeterTOpoundForceFtPerInch converts from newton meter per meter ( $N * m/m$ ) to pound-force foot per inch ( $lbf * ft/in$ )

### Usage

NISTnewtonMeterPerMeterTOpoundForceFtPerInch(newtonMeterPerMeter)

### Arguments

newtonMeterPerMeter  
newton meter per meter ( $N * m/m$ )

### Value

pound-force foot per inch ( $lbf * ft/in$ )

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTnewtonMeterPerMeterTOpoundForceFtPerInch(10)

---

NISTnewtonMeterPerMeterTOpoundForceInchPerInch

*Convert newton meter per meter to pound-force inch per inch*

---

### Description

NISTnewtonMeterPerMeterTOpoundForceInchPerInch converts from newton meter per meter (N \* m/m) to pound-force inch per inch (lbf \* in/in)

### Usage

NISTnewtonMeterPerMeterTOpoundForceInchPerInch(newtonMeterPerMeter)

### Arguments

newtonMeterPerMeter  
newton meter per meter (N \* m/m)

### Value

pound-force inch per inch (lbf \* in/in)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTnewtonMeterPerMeterTOpoundForceInchPerInch(10)

---

NISTnewtonMeterTOdyneCm

*Convert newton meter to dyne centimeter*

---

**Description**

NISTnewtonMeterTOdyneCm converts from newton meter (N \* m) to dyne centimeter (dyn \* cm)

**Usage**

NISTnewtonMeterTOdyneCm(newtonMeter)

**Arguments**

newtonMeter      newton meter (N \* m)

**Value**

dyne centimeter (dyn \* cm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonMeterTOdyneCm(10)

---

NISTnewtonMeterTOkgForceMeter

*Convert newton meter to kilogram-force meter*

---

**Description**

NISTnewtonMeterTOkgForceMeter converts from newton meter (N \* m) to kilogram-force meter (kgf \* m)

**Usage**

NISTnewtonMeterTOkgForceMeter(newtonMeter)

**Arguments**

newtonMeter      newton meter (N \* m)

**Value**

kilogram-force meter (kgf \* m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonMeterTOkgForceMeter(10)



---

NISTnewtonMeterTOounceForceInch

*Convert newton meter to ounce -force inch*

---

**Description**

NISTnewtonMeterTOounceForceInch converts from newton meter (N \* m) to ounce (avoirdupois)-force inch (ozf \* in)

**Usage**

NISTnewtonMeterTOounceForceInch(newtonMeter)

**Arguments**

newtonMeter      newton meter (N \* m)

**Value**

ounce (avoirdupois)-force inch (ozf \* in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonMeterTOounceForceInch(10)

---

NISTnewtonMeterTOpoundForceFt

*Convert newton meter to pound-force foot*

---

### **Description**

NISTnewtonMeterTOpoundForceFt converts from newton meter (N \* m) to pound-force foot (lbf \* ft)

### **Usage**

NISTnewtonMeterTOpoundForceFt(newtonMeter)

### **Arguments**

newtonMeter      newton meter (N \* m)

### **Value**

pound-force foot (lbf \* ft)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTnewtonMeterTOpoundForceFt(10)

---

NISTnewtonMeterTOpoundForceInch

*Convert newton meter to pound-force inch*

---

**Description**

NISTnewtonMeterTOpoundForceInch converts from newton meter (N \* m) to pound-force inch (lbf \* in)

**Usage**

NISTnewtonMeterTOpoundForceInch(newtonMeter)

**Arguments**

newtonMeter      newton meter (N \* m)

**Value**

pound-force inch (lbf \* in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonMeterTOpoundForceInch(10)

---

NISTnewtonPerKgTOpoundForcePerPound

*Convert newton per kilogram to pound-force per pound*

---

**Description**

NISTnewtonPerKgTOpoundForcePerPound converts from newton per kilogram (N/kg) to pound-force per pound (lbf/lb) (thrust to mass ratio)

**Usage**

NISTnewtonPerKgTOpoundForcePerPound(newtonPerKg)

**Arguments**

newtonPerKg     newton per kilogram (N/kg)

**Value**

pound-force per pound (lbf/lb) (thrust to mass ratio)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonPerKgTOpoundForcePerPound(10)

---

NISTnewtonPerMeterTOpoundForcePerFt

*Convert newton per meter to pound-force per foot*

---

**Description**

NISTnewtonPerMeterTOpoundForcePerFt converts from newton per meter (N/m) to pound-force per foot (lbf/ft)

**Usage**

NISTnewtonPerMeterTOpoundForcePerFt(newtonPerMeter)

**Arguments**

newtonPerMeter newton per meter (N/m)

**Value**

pound-force per foot (lbf/ft)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonPerMeterTOpoundForcePerFt(10)

---

NISTnewtonPerMeterTOpoundForcePerInch

*Convert newton per meter to pound-force per inch*

---

**Description**

NISTnewtonPerMeterTOpoundForcePerInch converts from newton per meter (N/m) to pound-force per inch (lbf/in)

**Usage**

NISTnewtonPerMeterTOpoundForcePerInch(newtonPerMeter)

**Arguments**

newtonPerMeter newton per meter (N/m)

**Value**

pound-force per inch (lbf/in)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonPerMeterTOpoundForcePerInch(10)

---

NISTnewtonTOdyne	<i>Convert newton to dyne</i>
------------------	-------------------------------

---

**Description**

NISTnewtonTOdyne converts from newton (N) to dyne (dyn)

**Usage**

NISTnewtonTOdyne(newton)

**Arguments**

newton	newton (N)
--------	------------

**Value**

dyne (dyn)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonTOdyne(10)

---

NISTnewtonTOkgForce    *Convert newton to kilogram-force*

---

**Description**

NISTnewtonTOkgForce converts from newton (N) to kilogram-force (kgf)

**Usage**

NISTnewtonTOkgForce(newton)

**Arguments**

newton                  newton (N)

**Value**

kilogram-force (kgf)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonTOkgForce(10)



---

NISTnewtonTOkilopond *Convert newton to kilopond*

---

**Description**

NISTnewtonTOkilopond converts from newton (N) to kilopond (kilogram-force) (kp)

**Usage**

NISTnewtonTOkilopond(newton)

**Arguments**

newton            newton (N)

**Value**

kilopond (kilogram-force) (kp)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonTOkilopond(10)

---

NISTnewtonTOkip	<i>Convert newton to kip</i>
-----------------	------------------------------

---

**Description**

NISTnewtonTOkip converts from newton (N) to kip (1 kip= 1000 lbf)

**Usage**

NISTnewtonTOkip(newton)

**Arguments**

newton            newton (N)

**Value**

kip (1 kip= 1000 lbf)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonTOkip(10)

---

NISTnewtonTOounceForce

*Convert newton to ounce -force*

---

**Description**

NISTnewtonTOounceForce converts from newton (N) to ounce (avoirdupois)-force (ozf)

**Usage**

NISTnewtonTOounceForce(newton)

**Arguments**

newton	newton (N)
--------	------------

**Value**

ounce (avoirdupois)-force (ozf)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonTOounceForce(10)

---

NISTnewtonTOpoundal    *Convert newton to poundal*

---

**Description**

NISTnewtonTOpoundal converts from newton (N) to poundal

**Usage**

NISTnewtonTOpoundal(newton)

**Arguments**

newton            newton (N)

**Value**

poundal

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonTOpoundal(10)

---

NISTnewtonTOpoundForce

*Convert newton to pound-force 23*

---

**Description**

NISTnewtonTOpoundForce converts from newton (N) to pound-force (lbf) 23

**Usage**

NISTnewtonTOpoundForce(newton)

**Arguments**

newton	newton (N)
--------	------------

**Value**

pound-force (lbf) 23

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonTOpoundForce(10)

---

NISTnewtonTOtonForce *Convert newton to ton-force*

---

**Description**

NISTnewtonTOtonForce converts from newton (N) to ton-force (2000 lbf)

**Usage**

NISTnewtonTOtonForce(newton)

**Arguments**

newton            newton (N)

**Value**

ton-force (2000 lbf)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTnewtonTOtonForce(10)

---

NISToerstedTOamperePerMeter

*Convert oersted to ampere per meter*

---

**Description**

NISToerstedTOamperePerMeter converts from oersted (Oe) to ampere per meter (A/m)

**Usage**

NISToerstedTOamperePerMeter(oersted)

**Arguments**

oersted            oersted (Oe)

**Value**

ampere per meter (A/m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISToerstedTOamperePerMeter(10)

---

NISTohmCircularMilPerFtTOhmMeter

*Convert ohm circular-mil per foot to ohm meter*

---

### **Description**

NISTohmCircularMilPerFtTOhmMeter converts from ohm circular-mil per foot to ohm meter (ohm \* m)

### **Usage**

NISTohmCircularMilPerFtTOhmMeter(ohmCircularMilPerFt)

### **Arguments**

ohmCircularMilPerFt  
ohm circular-mil per foot

### **Value**

ohm meter (ohm \* m)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTohmCircularMilPerFtTOhmMeter(10)



---

NISTohmCircularMilPerFtTOhmSqrMillimeterPerMeter

*Convert ohm circular-mil per foot to ohm square millimeter per meter*

---

### Description

NISTohmCircularMilPerFtTOhmSqrMillimeterPerMeter converts from ohm circular-mil per foot to ohm square millimeter per meter (ohm \* mm<sup>2</sup>/m)

### Usage

NISTohmCircularMilPerFtTOhmSqrMillimeterPerMeter(ohmCircularMilPerFt)

### Arguments

ohmCircularMilPerFt  
ohm circular-mil per foot

### Value

ohm square millimeter per meter (ohm \* mm<sup>2</sup>/m)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTohmCircularMilPerFtTOhmSqrMillimeterPerMeter(10)

---

NISTohmCmTOohmMeter     *Convert ohm centimeter to ohm meter*

---

**Description**

NISTohmCmTOohmMeter converts from ohm centimeter (ohm \* cm) to ohm meter (ohm \* m)

**Usage**

NISTohmCmTOohmMeter(ohmCm)

**Arguments**

ohmCm                  ohm centimeter (ohm \* cm)

**Value**

ohm meter (ohm \* m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTohmCmTOohmMeter(10)

---

NISTohmMeterTOhmCircularMilPerFt

*Convert ohm meter to ohm circular-mil per foot*

---

**Description**

NISTohmMeterTOhmCircularMilPerFt converts from ohm meter (ohm \* m) to ohm circular-mil per foot

**Usage**

NISTohmMeterTOhmCircularMilPerFt(ohmMeter)

**Arguments**

ohmMeter          ohm meter (ohm \* m)

**Value**

ohm circular-mil per foot

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTohmMeterTOhmCircularMilPerFt(10)

---

NISTohmMeterTOohmCm    *Convert ohm meter to ohm centimeter*

---

**Description**

NISTohmMeterTOohmCm converts from ohm meter (ohm \* m) to ohm centimeter (ohm \* cm)

**Usage**

NISTohmMeterTOohmCm(ohmMeter)

**Arguments**

ohmMeter            ohm meter (ohm \* m)

**Value**

ohm centimeter (ohm \* cm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTohmMeterTOohmCm(10)

---

NISTohmSqrMillimeterPerMeterTOhmCircularMilPerFt

*Convert ohm square millimeter per meter to ohm circular-mil per foot*

---

### Description

NISTohmSqrMillimeterPerMeterTOhmCircularMilPerFt converts from ohm square millimeter per meter ( $\text{ohm} \cdot \text{mm}^2/\text{m}$ ) to ohm circular-mil per foot

### Usage

NISTohmSqrMillimeterPerMeterTOhmCircularMilPerFt(ohmSqrMillimeterPerMeter)

### Arguments

ohmSqrMillimeterPerMeter  
ohm square millimeter per meter ( $\text{ohm} \cdot \text{mm}^2/\text{m}$ )

### Value

ohm circular-mil per foot

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTohmSqrMillimeterPerMeterTOhmCircularMilPerFt(10)

---

NISTohmTOabohm	<i>Convert ohm to abohm</i>
----------------	-----------------------------

---

**Description**

NISTohmTOabohm converts from ohm (ohm) to abohm

**Usage**

NISTohmTOabohm(ohm)

**Arguments**

ohm	ohm (ohm)
-----	-----------

**Value**

abohm

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTohmTOabohm(10)

---

NISTohmToEMUOfResistance

*Convert ohm to EMU of resistance*

---

**Description**

NISTohmToEMUOfResistance converts from ohm (ohm) to EMU of resistance (abohm)

**Usage**

NISTohmToEMUOfResistance(ohm)

**Arguments**

ohm                  ohm (ohm)

**Value**

EMU of resistance (abohm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTohmToEMUOfResistance(10)

---

NISTohmToESUOfResistance

*Convert ohm to ESU of resistance*

---

**Description**

NISTohmToESUOfResistance converts from ohm (ohm) to ESU of resistance (statohm)

**Usage**

NISTohmToESUOfResistance(ohm)

**Arguments**

ohm                  ohm (ohm)

**Value**

ESU of resistance (statohm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTohmToESUOfResistance(10)



---

NISTohmTostatohm	<i>Convert ohm to statohm</i>
------------------	-------------------------------

---

**Description**

NISTohmTostatohm converts from ohm (ohm) to statohm

**Usage**

NISTohmTostatohm(ohm)

**Arguments**

ohm                  ohm (ohm)

**Value**

statohm

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTohmTostatohm(10)

---

NISTounceAvoirdupoisTOgram

*Convert ounce to gram*

---

**Description**

NISTounceAvoirdupoisTOgram converts from ounce (avoirdupois) (oz) to gram (g)

**Usage**

NISTounceAvoirdupoisTOgram(ounceAvoirdupois)

**Arguments**

ounceAvoirdupois  
    ounce (avoirdupois) (oz)

**Value**

gram (g)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTounceAvoirdupoisTOgram(10)

---

NISTounceAvoirdupoisT0kg

*Convert ounce to kilogram*

---

**Description**

NISTounceAvoirdupoisT0kg converts from ounce (avoirdupois) (oz) to kilogram (kg)

**Usage**

NISTounceAvoirdupoisT0kg(ounceAvoirdupois)

**Arguments**

ounceAvoirdupois  
    ounce (avoirdupois) (oz)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTounceAvoirdupoisT0kg(10)

---

NISTounceForceInchTOMillinewtonMeter

*Convert ounce -force inch to millinewton meter*

---

**Description**

NISTounceForceInchTOMillinewtonMeter converts from ounce (avoirdupois)-force inch (ozf \* in) to millinewton meter (mN \* m)

**Usage**

NISTounceForceInchTOMillinewtonMeter(ounceForceInch)

**Arguments**

ounceForceInch ounce (avoirdupois)-force inch (ozf \* in)

**Value**

millinewton meter (mN \* m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTounceForceInchTOMillinewtonMeter(10)

---

NISTounceForceInchTOnewtonMeter

*Convert ounce -force inch to newton meter*

---

**Description**

NISTounceForceInchTOnewtonMeter converts from ounce (avoirdupois)-force inch (ozf \* in) to newton meter (N \* m)

**Usage**

NISTounceForceInchTOnewtonMeter(ounceForceInch)

**Arguments**

ounceForceInch ounce (avoirdupois)-force inch (ozf \* in)

**Value**

newton meter (N \* m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTounceForceInchTOnewtonMeter(10)

---

NISTounceForceTONewton

*Convert ounce -force to newton*

---

**Description**

NISTounceForceTONewton converts from ounce (avoirdupois)-force (ozf) to newton (N)

**Usage**

NISTounceForceTONewton(ounceForce)

**Arguments**

ounceForce      ounce (avoirdupois)-force (ozf)

**Value**

newton (N)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTounceForceTONewton(10)

---

NISTounceImperialPerGallonTOgramPerLiter

*Convert ounce per gallon to gram per liter*

---

### Description

NISTounceImperialPerGallonTOgramPerLiter converts from ounce (avoirdupois) per gallon [Canadian and U.K. (Imperial)] (oz/gal) to gram per liter (g/L)

### Usage

NISTounceImperialPerGallonTOgramPerLiter(ounceImperialPerGallon)

### Arguments

ounceImperialPerGallon

ounce (avoirdupois) per gallon [Canadian and U.K. (Imperial)] (oz/gal)

### Value

gram per liter (g/L)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTounceImperialPerGallonTOgramPerLiter(10)

---

NISTounceImperialPerGallonTOkgPerCubMeter

*Convert ounce per gallon to kilogram per cubic meter*

---

### **Description**

NISTounceImperialPerGallonTOkgPerCubMeter converts from ounce (avoirdupois) per gallon [Canadian and U.K. (Imperial)] (oz/gal) to kilogram per cubic meter (kg/m<sup>3</sup>)

### **Usage**

NISTounceImperialPerGallonTOkgPerCubMeter(ounceImperialPerGallon)

### **Arguments**

ounceImperialPerGallon

ounce (avoirdupois) per gallon [Canadian and U.K. (Imperial)] (oz/gal)

### **Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTounceImperialPerGallonTOkgPerCubMeter(10)



---

NISTounceImperialTOcubMeter

*Convert ounce to cubic meter*

---

### **Description**

NISTounceImperialTOcubMeter converts from ounce [Canadian and U.K. fluid (Imperial)] (fl oz) to cubic meter (m3)

### **Usage**

NISTounceImperialTOcubMeter(ounceImperial)

### **Arguments**

ounceImperial    ounce [Canadian and U.K. fluid (Imperial)] (fl oz)

### **Value**

cubic meter (m3)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTounceImperialTOcubMeter(10)

---

NISTounceImperialTOml *Convert ounce to milliliter*

---

**Description**

NISTounceImperialTOml converts from ounce [Canadian and U.K. fluid (Imperial)] (fl oz) to milliliter (mL)

**Usage**

NISTounceImperialTOml(ounceImperial)

**Arguments**

ounceImperial    ounce [Canadian and U.K. fluid (Imperial)] (fl oz)

**Value**

milliliter (mL)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTounceImperialTOml(10)

---

NISTouncePerCubInchTOkgPerCubMeter

*Convert ounce per cubic inch to kilogram per cubic meter*

---

### **Description**

NISTouncePerCubInchTOkgPerCubMeter converts from ounce (avoirdupois) per cubic inch (oz/in<sup>3</sup>) to kilogram per cubic meter (kg/m<sup>3</sup>)

### **Usage**

NISTouncePerCubInchTOkgPerCubMeter(ouncePerCubInch)

### **Arguments**

ouncePerCubInch

ounce (avoirdupois) per cubic inch (oz/in<sup>3</sup>)

### **Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTouncePerCubInchTOkgPerCubMeter(10)

---

NISTouncePerGallonTOgramPerLiter

*Convert ounce per gallon to gram per liter*

---

**Description**

NISTouncePerGallonTOgramPerLiter converts from ounce (avoirdupois) per gallon (U.S.) (oz/gal) to gram per liter (g/L)

**Usage**

NISTouncePerGallonTOgramPerLiter(ouncePerGallon)

**Arguments**

ouncePerGallon ounce (avoirdupois) per gallon (U.S.) (oz/gal)

**Value**

gram per liter (g/L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTouncePerGallonTOgramPerLiter(10)

---

NISTouncePerGallonTOkgPerCubMeter

*Convert ounce per gallon to kilogram per cubic meter*

---

**Description**

NISTouncePerGallonTOkgPerCubMeter converts from ounce (avoirdupois) per gallon (U.S.) (oz/gal) to kilogram per cubic meter (kg/m<sup>3</sup>)

**Usage**

NISTouncePerGallonTOkgPerCubMeter(ouncePerGallon)

**Arguments**

ouncePerGallon ounce (avoirdupois) per gallon (U.S.) (oz/gal)

**Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTouncePerGallonTOkgPerCubMeter(10)

---

NISTouncePerSqrFtTOkgPerSqrMeter

*Convert ounce per square foot to kilogram per square meter*

---

### **Description**

NISTouncePerSqrFtTOkgPerSqrMeter converts from ounce (avoirdupois) per square foot (oz/ft<sup>2</sup>) to kilogram per square meter (kg/m<sup>2</sup>)

### **Usage**

NISTouncePerSqrFtTOkgPerSqrMeter (ouncePerSqrFt)

### **Arguments**

ouncePerSqrFt    ounce (avoirdupois) per square foot (oz/ft<sup>2</sup>)

### **Value**

kilogram per square meter (kg/m<sup>2</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTouncePerSqrFtTOkgPerSqrMeter(10)

---

NISTouncePerSqrInchTOkgPerSqrMeter

*Convert ounce per square inch to kilogram per square meter*

---

**Description**

NISTouncePerSqrInchTOkgPerSqrMeter converts from ounce (avoirdupois) per square inch (oz/in<sup>2</sup>) to kilogram per square meter (kg/m<sup>2</sup>)

**Usage**

NISTouncePerSqrInchTOkgPerSqrMeter(ouncePerSqrInch)

**Arguments**

ouncePerSqrInch

ounce (avoirdupois) per square inch (oz/in<sup>2</sup>)

**Value**

kilogram per square meter (kg/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTouncePerSqrInchTOkgPerSqrMeter(10)

---

NISTouncePerSqrYardTOkgPerSqrMeter

*Convert ounce per square yard to kilogram per square meter*

---

**Description**

NISTouncePerSqrYardTOkgPerSqrMeter converts from ounce (avoirdupois) per square yard (oz/yd<sup>2</sup>) to kilogram per square meter (kg/m<sup>2</sup>)

**Usage**

NISTouncePerSqrYardTOkgPerSqrMeter(ouncePerSqrYard)

**Arguments**

ouncePerSqrYard

ounce (avoirdupois) per square yard (oz/yd<sup>2</sup>)

**Value**

kilogram per square meter (kg/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTouncePerSqrYardTOkgPerSqrMeter(10)



---

NISTounceTOcubMeter     *Convert ounce to cubic meter*

---

**Description**

NISTounceTOcubMeter converts from ounce (U.S. fluid) (fl oz) to cubic meter (m3)

**Usage**

NISTounceTOcubMeter(ounce)

**Arguments**

ounce                  ounce (U.S. fluid) (fl oz)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTounceTOcubMeter(10)

---

NISTounceTOml	<i>Convert ounce to milliliter</i>
---------------	------------------------------------

---

**Description**

NISTounceTOml converts from ounce (U.S. fluid) (fl oz) to milliliter (mL)

**Usage**

NISTounceTOml (ounce)

**Arguments**

ounce                  ounce (U.S. fluid) (fl oz)

**Value**

milliliter (mL)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTounceTOml(10)

---

NISTounceTroyTOgram    *Convert ounce to gram*

---

**Description**

NISTounceTroyTOgram converts from ounce (troy or apothecary) (oz) to gram (g)

**Usage**

NISTounceTroyTOgram(ounceTroy)

**Arguments**

ounceTroy      ounce (troy or apothecary) (oz)

**Value**

gram (g)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTounceTroyTOgram(10)

---

NISTounceTroyTOkg      *Convert ounce to kilogram*

---

**Description**

NISTounceTroyTOkg converts from ounce (troy or apothecary) (oz) to kilogram (kg)

**Usage**

NISTounceTroyTOkg(ounceTroy)

**Arguments**

ounceTroy      ounce (troy or apothecary) (oz)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTounceTroyTOkg(10)

---

NISTparsecTometer	<i>Convert parsec to meter</i>
-------------------	--------------------------------

---

**Description**

NISTparsecTometer converts from parsec (pc) to meter (m)

**Usage**

NISTparsecTometer(parsec)

**Arguments**

parsec            parsec (pc)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTparsecTometer(10)

---

NISTpascalSecTOcentipoise

*Convert pascal second to centipoise*

---

**Description**

NISTpascalSecTOcentipoise converts from pascal second (Pa \* s) to centipoise (cP)

**Usage**

NISTpascalSecTOcentipoise(pascalSec)

**Arguments**

pascalSec      pascal second (Pa \* s)

**Value**

centipoise (cP)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalSecTOcentipoise(10)

---

NISTpascalSecTOpoise *Convert pascal second to poise*

---

**Description**

NISTpascalSecTOpoise converts from pascal second (Pa \* s) to poise (P)

**Usage**

NISTpascalSecTOpoise(pascalSec)

**Arguments**

pascalSec      pascal second (Pa \* s)

**Value**

poise (P)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalSecTOpoise(10)

---

NISTpascalSecTOpoundalSecPerSqrFt

*Convert pascal second to poundal second per square foot*

---

**Description**

NISTpascalSecTOpoundalSecPerSqrFt converts from pascal second (Pa \* s) to poundal second per square foot

**Usage**

NISTpascalSecTOpoundalSecPerSqrFt(pascalSec)

**Arguments**

pascalSec      pascal second (Pa \* s)

**Value**

poundal second per square foot

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalSecTOpoundalSecPerSqrFt(10)



---

NISTpascalSecTOpoundForceSecPerSqrFt

*Convert pascal second to pound-force second per square foot*

---

**Description**

NISTpascalSecTOpoundForceSecPerSqrFt converts from pascal second (Pa \* s) to pound-force second per square foot (lbf \* s/ft<sup>2</sup>)

**Usage**

NISTpascalSecTOpoundForceSecPerSqrFt(pascalSec)

**Arguments**

pascalSec      pascal second (Pa \* s)

**Value**

pound-force second per square foot (lbf \* s/ft<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalSecTOpoundForceSecPerSqrFt(10)

---

NISTpascalSecTOpoundForceSecPerSqrInch

*Convert pascal second to pound-force second per square inch*

---

**Description**

NISTpascalSecTOpoundForceSecPerSqrInch converts from pascal second (Pa \* s) to pound-force second per square inch (lbf \* s/in<sup>2</sup>)

**Usage**

NISTpascalSecTOpoundForceSecPerSqrInch(pascalSec)

**Arguments**

pascalSec      pascal second (Pa \* s)

**Value**

pound-force second per square inch (lbf \* s/in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalSecTOpoundForceSecPerSqrInch(10)

---

NISTpascalSecTOpoundPerFtHour

*Convert pascal second to pound per foot hour*

---

**Description**

NISTpascalSecTOpoundPerFtHour converts from pascal second (Pa \* s) to pound per foot hour [lb/(ft \* h)]

**Usage**

NISTpascalSecTOpoundPerFtHour(pascalSec)

**Arguments**

pascalSec      pascal second (Pa \* s)

**Value**

pound per foot hour [lb/(ft \* h)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalSecTOpoundPerFtHour(10)

---

NISTpascalSecTOpoundPerFtSec

*Convert pascal second to pound per foot second*

---

**Description**

NISTpascalSecTOpoundPerFtSec converts from pascal second (Pa \* s) to pound per foot second [lb/(ft \* s)]

**Usage**

NISTpascalSecTOpoundPerFtSec(pascalSec)

**Arguments**

pascalSec      pascal second (Pa \* s)

**Value**

pound per foot second [lb/(ft \* s)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalSecTOpoundPerFtSec(10)

---

NISTpascalSecT0slugPerFtSec

*Convert pascal second to slug per foot second*

---

**Description**

NISTpascalSecT0slugPerFtSec converts from pascal second (Pa \* s) to slug per foot second [slug/(ft \* s)]

**Usage**

NISTpascalSecT0slugPerFtSec(pascalSec)

**Arguments**

pascalSec      pascal second (Pa \* s)

**Value**

slug per foot second [slug/(ft \* s)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalSecT0slugPerFtSec(10)

---

NISTpascalTOatmosphereStd

*Convert pascal to atmosphere, standard*

---

**Description**

NISTpascalTOatmosphereStd converts from pascal (Pa) to atmosphere, standard (atm)

**Usage**

NISTpascalTOatmosphereStd(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

atmosphere, standard (atm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOatmosphereStd(10)

---

NISTpascalTOatmosphereTechnical

*Convert pascal to atmosphere, technical 8*

---

**Description**

NISTpascalTOatmosphereTechnical converts from pascal (Pa) to atmosphere, technical (at) 8

**Usage**

NISTpascalTOatmosphereTechnical(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

atmosphere, technical (at) 8

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOatmosphereTechnical(10)

---

NISTpascalTObar	<i>Convert pascal to bar</i>
-----------------	------------------------------

---

**Description**

NISTpascalTObar converts from pascal (Pa) to bar (bar)

**Usage**

NISTpascalTObar(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

bar (bar)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTObar(10)



---

NISTpascalTOcmOfMercury

*Convert pascal to centimeter of mercury 12*

---

**Description**

NISTpascalTOcmOfMercury converts from pascal (Pa) to centimeter of mercury (0 C) 12

**Usage**

NISTpascalTOcmOfMercury(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

centimeter of mercury (0 C) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOcmOfMercury(10)

---

NISTpascalTOcmOfMercuryConvtnl

*Convert pascal to centimeter of mercury, conventional 12*

---

**Description**

NISTpascalTOcmOfMercuryConvtnl converts from pascal (Pa) to centimeter of mercury, conventional (cmHg) 12

**Usage**

NISTpascalTOcmOfMercuryConvtnl(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

centimeter of mercury, conventional (cmHg) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOcmOfMercuryConvtnl(10)

---

NISTpascalTOcmOfWater *Convert pascal to centimeter of water 12*

---

**Description**

NISTpascalTOcmOfWater converts from pascal (Pa) to centimeter of water (4 C) 12

**Usage**

NISTpascalTOcmOfWater(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

centimeter of water (4 C) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOcmOfWater(10)

---

NISTpascalTOcmOfWaterConvtnl

*Convert pascal to centimeter of water, conventional 12*

---

**Description**

NISTpascalTOcmOfWaterConvtnl converts from pascal (Pa) to centimeter of water, conventional (cmH2O) 12

**Usage**

NISTpascalTOcmOfWaterConvtnl(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

centimeter of water, conventional (cmH2O) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOcmOfWaterConvtnl(10)

---

NISTpascalTOdynePerSqrCm

*Convert pascal to dyne per square centimeter*

---

**Description**

NISTpascalTOdynePerSqrCm converts from pascal (Pa) to dyne per square centimeter (dyn/cm<sup>2</sup>)

**Usage**

NISTpascalTOdynePerSqrCm(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

dyne per square centimeter (dyn/cm<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOdynePerSqrCm(10)

---

NISTpascalTOftOfMercuryConvtnl

*Convert pascal to foot of mercury, conventional 12*

---

**Description**

NISTpascalTOftOfMercuryConvtnl converts from pascal (Pa) to foot of mercury, conventional (ftHg) 12

**Usage**

NISTpascalTOftOfMercuryConvtnl(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

foot of mercury, conventional (ftHg) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOftOfMercuryConvtnl(10)

---

NISTpascalTOftOfWater *Convert pascal to foot of water 12*

---

**Description**

NISTpascalTOftOfWater converts from pascal (Pa) to foot of water (39.2 F) 12

**Usage**

NISTpascalTOftOfWater(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

foot of water (39.2 F) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOftOfWater(10)

---

NISTpascalTOftOfWaterConvtnl

*Convert pascal to foot of water, conventional 12*

---

**Description**

NISTpascalTOftOfWaterConvtnl converts from pascal (Pa) to foot of water, conventional (ftH2O)  
12

**Usage**

NISTpascalTOftOfWaterConvtnl(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

foot of water, conventional (ftH2O) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOftOfWaterConvtnl(10)



---

NISTpascalTOgramForcePerSqrCm

*Convert pascal to gram-force per square centimeter*

---

**Description**

NISTpascalTOgramForcePerSqrCm converts from pascal (Pa) to gram-force per square centimeter (gf/cm<sup>2</sup>)

**Usage**

NISTpascalTOgramForcePerSqrCm(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

gram-force per square centimeter (gf/cm<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOgramForcePerSqrCm(10)

---

NISTpascalTOinchOfMercury32F

*Convert pascal to inch of mercury 12*

---

**Description**

NISTpascalTOinchOfMercury32F converts from pascal (Pa) to inch of mercury (32 F) 12

**Usage**

NISTpascalTOinchOfMercury32F(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

inch of mercury (32 F) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOinchOfMercury32F(10)

---

NISTpascalTOinchOfMercury60F

*Convert pascal to inch of mercury 12*

---

**Description**

NISTpascalTOinchOfMercury60F converts from pascal (Pa) to inch of mercury (60 F) 12

**Usage**

NISTpascalTOinchOfMercury60F(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

inch of mercury (60 F) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOinchOfMercury60F(10)

---

NISTpascalTOinchOfMercuryConvtnl

*Convert pascal to inch of mercury, conventional 12*

---

**Description**

NISTpascalTOinchOfMercuryConvtnl converts from pascal (Pa) to inch of mercury, conventional (inHg) 12

**Usage**

NISTpascalTOinchOfMercuryConvtnl(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

inch of mercury, conventional (inHg) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOinchOfMercuryConvtnl(10)

---

NISTpascalTOinchOfWater39.2F

*Convert pascal to inch of water 12*

---

**Description**

NISTpascalTOinchOfWater39.2F converts from pascal (Pa) to inch of water (39.2 F) 12

**Usage**

NISTpascalTOinchOfWater39.2F(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

inch of water (39.2 F) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOinchOfWater39.2F(10)

---

NISTpascalTOinchOfWater60F

*Convert pascal to inch of water 12*

---

**Description**

NISTpascalTOinchOfWater60F converts from pascal (Pa) to inch of water (60 F) 12

**Usage**

NISTpascalTOinchOfWater60F(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

inch of water (60 F) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOinchOfWater60F(10)

---

NISTpascalTOinchOfWaterConvtnl

*Convert pascal to inch of water, conventional 12*

---

**Description**

NISTpascalTOinchOfWaterConvtnl converts from pascal (Pa) to inch of water, conventional (inH2O) 12

**Usage**

NISTpascalTOinchOfWaterConvtnl(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

inch of water, conventional (inH2O) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOinchOfWaterConvtnl(10)

---

NISTpascalTOkgForcePerSqrCm

*Convert pascal to kilogram-force per square centimeter*

---

**Description**

NISTpascalTOkgForcePerSqrCm converts from pascal (Pa) to kilogram-force per square centimeter (kgf/cm<sup>2</sup>)

**Usage**

NISTpascalTOkgForcePerSqrCm(pascal)

**Arguments**

pascal                  pascal (Pa)

**Value**

kilogram-force per square centimeter (kgf/cm<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOkgForcePerSqrCm(10)



---

NISTpascalTOkgForcePerSqrMeter

*Convert pascal to kilogram-force per square meter*

---

**Description**

NISTpascalTOkgForcePerSqrMeter converts from pascal (Pa) to kilogram-force per square meter (kgf/m<sup>2</sup>)

**Usage**

NISTpascalTOkgForcePerSqrMeter(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

kilogram-force per square meter (kgf/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOkgForcePerSqrMeter(10)

---

NISTpascalTOkgForcePerSqrMillimeter

*Convert pascal to kilogram-force per square millimeter*

---

**Description**

NISTpascalTOkgForcePerSqrMillimeter converts from pascal (Pa) to kilogram-force per square millimeter (kgf/mm<sup>2</sup>)

**Usage**

NISTpascalTOkgForcePerSqrMillimeter(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

kilogram-force per square millimeter (kgf/mm<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOkgForcePerSqrMillimeter(10)

---

NISTpascalTOkipPerSqrInch

*Convert pascal to kip per square inch*

---

**Description**

NISTpascalTOkipPerSqrInch converts from pascal (Pa) to kip per square inch (ksi) (kip/in<sup>2</sup>)

**Usage**

NISTpascalTOkipPerSqrInch(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

kip per square inch (ksi) (kip/in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOkipPerSqrInch(10)

---

NISTpascalTmillibar *Convert pascal to millibar*

---

**Description**

NISTpascalTmillibar converts from pascal (Pa) to millibar (mbar)

**Usage**

NISTpascalTmillibar(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

millibar (mbar)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTmillibar(10)

---

NISTpascalTOMillimeterOfMercuryConvtnl

*Convert pascal to millimeter of mercury, conventional 12*

---

**Description**

NISTpascalTOMillimeterOfMercuryConvtnl converts from pascal (Pa) to millimeter of mercury, conventional (mmHg) 12

**Usage**

NISTpascalTOMillimeterOfMercuryConvtnl(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

millimeter of mercury, conventional (mmHg) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOMillimeterOfMercuryConvtnl(10)

---

NISTpascalTOMillimeterOfWaterConvtnl

*Convert pascal to millimeter of water, conventional 12*

---

**Description**

NISTpascalTOMillimeterOfWaterConvtnl converts from pascal (Pa) to millimeter of water, conventional (mm H2O) 12

**Usage**

NISTpascalTOMillimeterOfWaterConvtnl(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

millimeter of water, conventional (mm H2O) 12

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOMillimeterOfWaterConvtnl(10)

---

NISTpascalTOpoundalPerSqrFt

*Convert pascal to poundal per square foot*

---

**Description**

NISTpascalTOpoundalPerSqrFt converts from pascal (Pa) to poundal per square foot

**Usage**

NISTpascalTOpoundalPerSqrFt(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

poundal per square foot

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOpoundalPerSqrFt(10)

---

NISTpascalTOpoundForcePerSqrFt

*Convert pascal to pound-force per square foot*

---

**Description**

NISTpascalTOpoundForcePerSqrFt converts from pascal (Pa) to pound-force per square foot (lbf/ft<sup>2</sup>)

**Usage**

NISTpascalTOpoundForcePerSqrFt(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

pound-force per square foot (lbf/ft<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOpoundForcePerSqrFt(10)



---

NISTpascalTOpoundForcePerSqrInch

*Convert pascal to pound-force per square inch*

---

**Description**

NISTpascalTOpoundForcePerSqrInch converts from pascal (Pa) to pound-force per square inch (psi) (lbf/in<sup>2</sup>)

**Usage**

NISTpascalTOpoundForcePerSqrInch(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

pound-force per square inch (psi) (lbf/in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalTOpoundForcePerSqrInch(10)

---

NISTpascalT0psi      *Convert pascal to psi*

---

**Description**

NISTpascalT0psi converts from pascal (Pa) to psi (pound-force per square inch) (lbf/in<sup>2</sup>)

**Usage**

NISTpascalT0psi(pascal)

**Arguments**

pascal              pascal (Pa)

**Value**

psi (pound-force per square inch) (lbf/in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalT0psi(10)

---

NISTpascalT0torr	<i>Convert pascal to torr</i>
------------------	-------------------------------

---

**Description**

NISTpascalT0torr converts from pascal (Pa) to torr (Torr)

**Usage**

NISTpascalT0torr(pascal)

**Arguments**

pascal            pascal (Pa)

**Value**

torr (Torr)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpascalT0torr(10)

---

NISTpeckTOcubMeter      *Convert peck to cubic meter*

---

**Description**

NISTpeckTOcubMeter converts from peck (U.S.) (pk) to cubic meter (m3)

**Usage**

NISTpeckTOcubMeter(peck)

**Arguments**

peck                      peck (U.S.) (pk)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpeckTOcubMeter(10)

---

NISTpeckToliter	<i>Convert peck to liter</i>
-----------------	------------------------------

---

**Description**

NISTpeckToliter converts from peck (U.S.) (pk) to liter (L)

**Usage**

NISTpeckToliter(peck)

**Arguments**

peck	peck (U.S.) (pk)
------	------------------

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpeckToliter(10)

---

NISTpennyweightTOgram *Convert pennyweight to gram*

---

**Description**

NISTpennyweightTOgram converts from pennyweight (dwt) to gram (g)

**Usage**

NISTpennyweightTOgram(pennyweight)

**Arguments**

pennyweight      pennyweight (dwt)

**Value**

gram (g)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpennyweightTOgram(10)

---

NISTpennyweightTOkg    *Convert pennyweight to kilogram*

---

**Description**

NISTpennyweightTOkg converts from pennyweight (dwt) to kilogram (kg)

**Usage**

NISTpennyweightTOkg(pennyweight)

**Arguments**

pennyweight    pennyweight (dwt)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpennyweightTOkg(10)

---

NISTperm0Ct0kgPerPascalSecSqrMeter

*Convert perm to kilogram per pascal second square meter*

---

### **Description**

NISTperm0Ct0kgPerPascalSecSqrMeter converts from perm (0 C) to kilogram per pascal second square meter [kg/(Pa \* s \* m<sup>2</sup>)]

### **Usage**

NISTperm0Ct0kgPerPascalSecSqrMeter(perm0C)

### **Arguments**

perm0C            perm (0 C)

### **Value**

kilogram per pascal second square meter [kg/(Pa \* s \* m<sup>2</sup>)]

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTperm0Ct0kgPerPascalSecSqrMeter(10)



---

NISTperm23Ct0kgPerPascalSecSqrMeter

*Convert perm to kilogram per pascal second square meter*

---

**Description**

NISTperm23Ct0kgPerPascalSecSqrMeter converts from perm (23 C) to kilogram per pascal second square meter [kg/(Pa \* s \* m<sup>2</sup>)]

**Usage**

NISTperm23Ct0kgPerPascalSecSqrMeter(perm23C)

**Arguments**

perm23C          perm (23 C)

**Value**

kilogram per pascal second square meter [kg/(Pa \* s \* m<sup>2</sup>)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTperm23Ct0kgPerPascalSecSqrMeter(10)

---

NISTpermInch0Ct0kgPerPascalSecMeter

*Convert perm inch to kilogram per pascal second meter*

---

**Description**

NISTpermInch0Ct0kgPerPascalSecMeter converts from perm inch (0 C) to kilogram per pascal second meter [kg/(Pa\*s\*m)]

**Usage**

NISTpermInch0Ct0kgPerPascalSecMeter(permInch0C)

**Arguments**

permInch0C      perm inch (0 C)

**Value**

kilogram per pascal second meter [kg/(Pa\*s\*m)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpermInch0Ct0kgPerPascalSecMeter(10)

---

NISTpermInch23Ct0kgPerPascalSecMeter

*Convert perm inch to kilogram per pascal second meter*

---

**Description**

NISTpermInch23Ct0kgPerPascalSecMeter converts from perm inch (23 C) to kilogram per pascal second meter [kg/(Pa\*s\*m)]

**Usage**

NISTpermInch23Ct0kgPerPascalSecMeter(permInch23C)

**Arguments**

permInch23C      perm inch (23 C)

**Value**

kilogram per pascal second meter [kg/(Pa\*s\*m)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpermInch23Ct0kgPerPascalSecMeter(10)

---

NISTphotT0lux

*Convert phot to lux*

---

**Description**

NISTphotT0lux converts from phot (ph) to lux (lx)

**Usage**

NISTphotT0lux(phot)

**Arguments**

phot            phot (ph)

**Value**

lux (lx)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTphotT0lux(10)

---

NISTpicaComputerTOmeter

*Convert pica to meter*

---

**Description**

NISTpicaComputerTOmeter converts from pica (computer) (1/6 in) to meter (m)

**Usage**

NISTpicaComputerTOmeter(picaComputer)

**Arguments**

picaComputer    pica (computer) (1/6 in)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpicaComputerTOmeter(10)

---

NISTpicaComputerTOMillimeter  
*Convert pica to millimeter*

---

**Description**

NISTpicaComputerTOMillimeter converts from pica (computer) (1/6 in) to millimeter (mm)

**Usage**

NISTpicaComputerTOMillimeter(picaComputer)

**Arguments**

picaComputer    pica (computer) (1/6 in)

**Value**

millimeter (mm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpicaComputerTOMillimeter(10)

---

NISTpicaPrinterTOMeter

*Convert pica to meter*

---

**Description**

NISTpicaPrinterTOMeter converts from pica (printer's) to meter (m)

**Usage**

```
NISTpicaPrinterTOMeter(picaPrinter)
```

**Arguments**

picaPrinter    pica (printer's)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

```
NISTpicaPrinterTOMeter(10)
```

---

NISTpicaPrinterTOMillimeter  
*Convert pica to millimeter*

---

**Description**

NISTpicaPrinterTOMillimeter converts from pica (printer's) to millimeter (mm)

**Usage**

```
NISTpicaPrinterTOMillimeter(picaPrinter)
```

**Arguments**

picaPrinter    pica (printer's)

**Value**

millimeter (mm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

```
NISTpicaPrinterTOMillimeter(10)
```



---

NISTpintUSdryTOcubMeter

*Convert pint to cubic meter*

---

**Description**

NISTpintUSdryTOcubMeter converts from pint (U.S. dry) (dry pt) to cubic meter (m3)

**Usage**

NISTpintUSdryTOcubMeter(pintUSdry)

**Arguments**

pintUSdry      pint (U.S. dry) (dry pt)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpintUSdryTOcubMeter(10)

---

NISTpintUSdryToliter *Convert pint to liter*

---

**Description**

NISTpintUSdryToliter converts from pint (U.S. dry) (dry pt) to liter (L)

**Usage**

NISTpintUSdryToliter(pintUSdry)

**Arguments**

pintUSdry      pint (U.S. dry) (dry pt)

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpintUSdryToliter(10)

---

NISTpintUSliquidTOcubMeter

*Convert pint to cubic meter*

---

**Description**

NISTpintUSliquidTOcubMeter converts from pint (U.S. liquid) (liq pt) to cubic meter (m3)

**Usage**

NISTpintUSliquidTOcubMeter(pintUSliquid)

**Arguments**

pintUSliquid    pint (U.S. liquid) (liq pt)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpintUSliquidTOcubMeter(10)

---

NISTpintUSliquidToliter

*Convert pint to liter*

---

**Description**

NISTpintUSliquidToliter converts from pint (U.S. liquid) (liq pt) to liter (L)

**Usage**

NISTpintUSliquidToliter(pintUSliquid)

**Arguments**

pintUSliquid    pint (U.S. liquid) (liq pt)

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpintUSliquidToliter(10)

---

NISTpointComputerTOMeter

*Convert point to meter*

---

**Description**

NISTpointComputerTOMeter converts from point (computer) (1/72 in) to meter (m)

**Usage**

NISTpointComputerTOMeter(pointComputer)

**Arguments**

pointComputer    point (computer) (1/72 in)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpointComputerTOMeter(10)

---

NISTpointComputerTOMillimeter  
*Convert point to millimeter*

---

**Description**

NISTpointComputerTOMillimeter converts from point (computer) (1/72 in) to millimeter (mm)

**Usage**

NISTpointComputerTOMillimeter(pointComputer)

**Arguments**

pointComputer    point (computer) (1/72 in)

**Value**

millimeter (mm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpointComputerTOMillimeter(10)

---

NISTpointPrinterTOMeter

*Convert point to meter*

---

**Description**

NISTpointPrinterTOMeter converts from point (printer's) to meter (m)

**Usage**

NISTpointPrinterTOMeter(pointPrinter)

**Arguments**

pointPrinter    point (printer's)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpointPrinterTOMeter(10)

---

NISTpointPrinterTOMillimeter  
*Convert point to millimeter*

---

**Description**

NISTpointPrinterTOMillimeter converts from point (printer's) to millimeter (mm)

**Usage**

NISTpointPrinterTOMillimeter(pointPrinter)

**Arguments**

pointPrinter    point (printer's)

**Value**

millimeter (mm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpointPrinterTOMillimeter(10)



---

NISTpoiseTOpascalSec *Convert poise to pascal second*

---

**Description**

NISTpoiseTOpascalSec converts from poise (P) to pascal second (Pa \* s)

**Usage**

NISTpoiseTOpascalSec(poise)

**Arguments**

poise            poise (P)

**Value**

pascal second (Pa \* s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoiseTOpascalSec(10)

---

NISTpoundalPerSqrFtTOpascal

*Convert poundal per square foot to pascal*

---

**Description**

NISTpoundalPerSqrFtTOpascal converts from poundal per square foot to pascal (Pa)

**Usage**

NISTpoundalPerSqrFtTOpascal(poundalPerSqrFt)

**Arguments**

poundalPerSqrFt  
poundal per square foot

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundalPerSqrFtTOpascal(10)

---

NISTpoundalSecPerSqrFtTOpascalSec

*Convert poundal second per square foot to pascal second*

---

**Description**

NISTpoundalSecPerSqrFtTOpascalSec converts from poundal second per square foot to pascal second (Pa \* s)

**Usage**

NISTpoundalSecPerSqrFtTOpascalSec(poundalSecPerSqrFt)

**Arguments**

poundalSecPerSqrFt  
poundal second per square foot

**Value**

pascal second (Pa \* s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundalSecPerSqrFtTOpascalSec(10)

---

NISTpoundalTOnewton     *Convert poundal to newton*

---

**Description**

NISTpoundalTOnewton converts from poundal to newton (N)

**Usage**

NISTpoundalTOnewton(poundal)

**Arguments**

poundal            poundal

**Value**

newton (N)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundalTOnewton(10)

---

NISTpoundAvoirdupoisT0kg

*Convert pound 22 to kilogram*

---

**Description**

NISTpoundAvoirdupoisT0kg converts from pound (avoirdupois) (lb) 22 to kilogram (kg)

**Usage**

NISTpoundAvoirdupoisT0kg(poundAvoirdupois)

**Arguments**

poundAvoirdupois

pound (avoirdupois) (lb) 22

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundAvoirdupoisT0kg(10)

---

NISTpoundForceFtPerInchTONewtonMeterPerMeter

*Convert pound-force foot per inch to newton meter per meter*

---

### Description

NISTpoundForceFtPerInchTONewtonMeterPerMeter converts from pound-force foot per inch (lbf \* ft/in) to newton meter per meter (N \* m/m)

### Usage

NISTpoundForceFtPerInchTONewtonMeterPerMeter (poundForceFtPerInch)

### Arguments

poundForceFtPerInch  
pound-force foot per inch (lbf \* ft/in)

### Value

newton meter per meter (N \* m/m)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTpoundForceFtPerInchTONewtonMeterPerMeter(10)

---

NISTpoundForceFtTNewtonMeter

*Convert pound-force foot to newton meter*

---

**Description**

NISTpoundForceFtTNewtonMeter converts from pound-force foot (lbf \* ft) to newton meter (N \* m)

**Usage**

NISTpoundForceFtTNewtonMeter(poundForceFt)

**Arguments**

poundForceFt    pound-force foot (lbf \* ft)

**Value**

newton meter (N \* m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundForceFtTNewtonMeter(10)

---

NISTpoundForceInchPerInchTONewtonMeterPerMeter

*Convert pound-force inch per inch to newton meter per meter*

---

### Description

NISTpoundForceInchPerInchTONewtonMeterPerMeter converts from pound-force inch per inch (lbf \* in/in) to newton meter per meter (N \* m/m)

### Usage

NISTpoundForceInchPerInchTONewtonMeterPerMeter(poundForceInchPerInch)

### Arguments

poundForceInchPerInch  
pound-force inch per inch (lbf \* in/in)

### Value

newton meter per meter (N \* m/m)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTpoundForceInchPerInchTONewtonMeterPerMeter(10)



---

NISTpoundForceInchTOnewtonMeter

*Convert pound-force inch to newton meter*

---

**Description**

NISTpoundForceInchTOnewtonMeter converts from pound-force inch (lbf \* in) to newton meter (N \* m)

**Usage**

NISTpoundForceInchTOnewtonMeter(poundForceInch)

**Arguments**

poundForceInch pound-force inch (lbf \* in)

**Value**

newton meter (N \* m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundForceInchTOnewtonMeter(10)

---

NISTpoundForcePerFtTOnewtonPerMeter

*Convert pound-force per foot to newton per meter*

---

### **Description**

NISTpoundForcePerFtTOnewtonPerMeter converts from pound-force per foot (lbf/ft) to newton per meter (N/m)

### **Usage**

NISTpoundForcePerFtTOnewtonPerMeter (poundForcePerFt)

### **Arguments**

poundForcePerFt  
pound-force per foot (lbf/ft)

### **Value**

newton per meter (N/m)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTpoundForcePerFtTOnewtonPerMeter(10)

---

NISTpoundForcePerInchTOnewtonPerMeter

*Convert pound-force per inch to newton per meter*

---

### Description

NISTpoundForcePerInchTOnewtonPerMeter converts from pound-force per inch (lbf/in) to newton per meter (N/m)

### Usage

NISTpoundForcePerInchTOnewtonPerMeter (poundForcePerInch)

### Arguments

poundForcePerInch  
pound-force per inch (lbf/in)

### Value

newton per meter (N/m)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTpoundForcePerInchTOnewtonPerMeter(10)

---

NISTpoundForcePerPoundTOnewtonPerKg

*Convert pound-force per pound to newton per kilogram*

---

### Description

NISTpoundForcePerPoundTOnewtonPerKg converts from pound-force per pound (lbf/lb) (thrust to mass ratio) to newton per kilogram (N/kg)

### Usage

NISTpoundForcePerPoundTOnewtonPerKg(poundForcePerPound)

### Arguments

poundForcePerPound  
pound-force per pound (lbf/lb) (thrust to mass ratio)

### Value

newton per kilogram (N/kg)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTpoundForcePerPoundTOnewtonPerKg(10)

---

NISTpoundForcePerSqrFtTOpascal

*Convert pound-force per square foot to pascal*

---

**Description**

NISTpoundForcePerSqrFtTOpascal converts from pound-force per square foot (lbf/ft<sup>2</sup>) to pascal (Pa)

**Usage**

NISTpoundForcePerSqrFtTOpascal (poundForcePerSqrFt)

**Arguments**

poundForcePerSqrFt  
pound-force per square foot (lbf/ft<sup>2</sup>)

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundForcePerSqrFtTOpascal(10)

---

NISTpoundForcePerSqrInchTOkpasca1

*Convert pound-force per square inch to kilopascal*

---

### **Description**

NISTpoundForcePerSqrInchTOkpasca1 converts from pound-force per square inch (psi) (lbf/in<sup>2</sup>) to kilopascal (kPa)

### **Usage**

NISTpoundForcePerSqrInchTOkpasca1 (poundForcePerSqrInch)

### **Arguments**

poundForcePerSqrInch  
pound-force per square inch (psi) (lbf/in<sup>2</sup>)

### **Value**

kilopascal (kPa)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTpoundForcePerSqrInchTOkpasca1(10)

---

NISTpoundForcePerSqrInchTOpascal

*Convert pound-force per square inch to pascal*

---

**Description**

NISTpoundForcePerSqrInchTOpascal converts from pound-force per square inch (psi) (lbf/in<sup>2</sup>) to pascal (Pa)

**Usage**

NISTpoundForcePerSqrInchTOpascal(poundForcePerSqrInch)

**Arguments**

poundForcePerSqrInch  
pound-force per square inch (psi) (lbf/in<sup>2</sup>)

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundForcePerSqrInchTOpascal(10)

---

NISTpoundForceSecPerSqrFtTOpascalSec

*Convert pound-force second per square foot to pascal second*

---

### Description

NISTpoundForceSecPerSqrFtTOpascalSec converts from pound-force second per square foot (lbf \* s/ft<sup>2</sup>) to pascal second (Pa \* s)

### Usage

NISTpoundForceSecPerSqrFtTOpascalSec(poundForceSecPerSqrFt)

### Arguments

poundForceSecPerSqrFt

pound-force second per square foot (lbf \* s/ft<sup>2</sup>)

### Value

pascal second (Pa \* s)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTpoundForceSecPerSqrFtTOpascalSec(10)



---

NISTpoundForceSecPerSqrInchTOpascalSec

*Convert pound-force second per square inch to pascal second*

---

### Description

NISTpoundForceSecPerSqrInchTOpascalSec converts from pound-force second per square inch (lbf \* s/in<sup>2</sup>) to pascal second (Pa \* s)

### Usage

NISTpoundForceSecPerSqrInchTOpascalSec(poundForceSecPerSqrInch)

### Arguments

poundForceSecPerSqrInch  
pound-force second per square inch (lbf \* s/in<sup>2</sup>)

### Value

pascal second (Pa \* s)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTpoundForceSecPerSqrInchTOpascalSec(10)

---

NISTpoundForceTOnewton

*Convert pound-force 23 to newton*

---

### **Description**

NISTpoundForceTOnewton converts from pound-force (lbf) 23 to newton (N)

### **Usage**

NISTpoundForceTOnewton(poundForce)

### **Arguments**

poundForce      pound-force (lbf) 23

### **Value**

newton (N)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTpoundForceTOnewton(10)

---

NISTpoundFtSqrDTokgMeterSqrD

*Convert pound foot squared to kilogram meter squared*

---

**Description**

NISTpoundFtSqrDTokgMeterSqrD converts from pound foot squared ( $\text{lb} * \text{ft}^2$ ) to kilogram meter squared ( $\text{kg} * \text{m}^2$ )

**Usage**

NISTpoundFtSqrDTokgMeterSqrD(poundFtSqrD)

**Arguments**

poundFtSqrD      pound foot squared ( $\text{lb} * \text{ft}^2$ )

**Value**

kilogram meter squared ( $\text{kg} * \text{m}^2$ )

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundFtSqrDTokgMeterSqrD(10)

NISTpoundInchSqrDTOKgMeterSqrD

*Convert pound inch squared to kilogram meter squared*

---

**Description**

NISTpoundInchSqrDTOKgMeterSqrD converts from pound inch squared (lb \* in<sup>2</sup>) to kilogram meter squared (kg \*m<sup>2</sup>)

**Usage**

NISTpoundInchSqrDTOKgMeterSqrD(poundInchSqrD)

**Arguments**

poundInchSqrD    pound inch squared (lb \* in<sup>2</sup>)

**Value**

kilogram meter squared (kg \*m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundInchSqrDTOKgMeterSqrD(10)

---

NISTpoundPerCubFtTOkgPerCubMeter

*Convert pound per cubic foot to kilogram per cubic meter*

---

**Description**

NISTpoundPerCubFtTOkgPerCubMeter converts from pound per cubic foot (lb/ft<sup>3</sup>) to kilogram per cubic meter (kg/m<sup>3</sup>)

**Usage**

NISTpoundPerCubFtTOkgPerCubMeter (poundPerCubFt)

**Arguments**

poundPerCubFt    pound per cubic foot (lb/ft<sup>3</sup>)

**Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerCubFtTOkgPerCubMeter(10)

---

NISTpoundPerCubInchTOkgPerCubMeter

*Convert pound per cubic inch to kilogram per cubic meter*

---

**Description**

NISTpoundPerCubInchTOkgPerCubMeter converts from pound per cubic inch (lb/in<sup>3</sup>) to kilogram per cubic meter (kg/m<sup>3</sup>)

**Usage**

NISTpoundPerCubInchTOkgPerCubMeter(poundPerCubInch)

**Arguments**

poundPerCubInch  
pound per cubic inch (lb/in<sup>3</sup>)

**Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerCubInchTOkgPerCubMeter(10)

---

NISTpoundPerCubYardTOkgPerCubMeter

*Convert pound per cubic yard to kilogram per cubic meter*

---

**Description**

NISTpoundPerCubYardTOkgPerCubMeter converts from pound per cubic yard (lb/yd<sup>3</sup>) to kilogram per cubic meter (kg/m<sup>3</sup>)

**Usage**

NISTpoundPerCubYardTOkgPerCubMeter (poundPerCubYard)

**Arguments**

poundPerCubYard  
pound per cubic yard (lb/yd<sup>3</sup>)

**Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerCubYardTOkgPerCubMeter(10)

---

NISTpoundPerFtHourTOpascalSec

*Convert pound per foot hour to pascal second*

---

**Description**

NISTpoundPerFtHourTOpascalSec converts from pound per foot hour [lb/(ft \* h)] to pascal second (Pa \* s)

**Usage**

NISTpoundPerFtHourTOpascalSec(poundPerFtHour)

**Arguments**

poundPerFtHour pound per foot hour [lb/(ft \* h)]

**Value**

pascal second (Pa \* s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerFtHourTOpascalSec(10)



---

NISTpoundPerFtSecTOPascalSec

*Convert pound per foot second to pascal second*

---

**Description**

NISTpoundPerFtSecTOPascalSec converts from pound per foot second [lb/(ft \* s)] to pascal second (Pa \* s)

**Usage**

NISTpoundPerFtSecTOPascalSec(poundPerFtSec)

**Arguments**

poundPerFtSec pound per foot second [lb/(ft \* s)]

**Value**

pascal second (Pa \* s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerFtSecTOPascalSec(10)

---

NISTpoundPerFtTOkgPerMeter

*Convert pound per foot to kilogram per meter*

---

**Description**

NISTpoundPerFtTOkgPerMeter converts from pound per foot (lb/ft) to kilogram per meter (kg/m)

**Usage**

NISTpoundPerFtTOkgPerMeter(poundPerFt)

**Arguments**

poundPerFt      pound per foot (lb/ft)

**Value**

kilogram per meter (kg/m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerFtTOkgPerMeter(10)

---

NISTpoundPerGallonImperialTOkgPerCubMeter

*Convert pound per gallon to kilogram per cubic meter*

---

### **Description**

NISTpoundPerGallonImperialTOkgPerCubMeter converts from pound per gallon [Canadian and U.K. (Imperial)] (lb/gal) to kilogram per cubic meter (kg/m<sup>3</sup>)

### **Usage**

NISTpoundPerGallonImperialTOkgPerCubMeter(poundPerGallonImperial)

### **Arguments**

poundPerGallonImperial

pound per gallon [Canadian and U.K. (Imperial)] (lb/gal)

### **Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTpoundPerGallonImperialTOkgPerCubMeter(10)

---

NISTpoundPerGallonImperialTOkgPerLiter

*Convert pound per gallon to kilogram per liter*

---

### **Description**

NISTpoundPerGallonImperialTOkgPerLiter converts from pound per gallon [Canadian and U.K. (Imperial)] (lb/gal) to kilogram per liter (kg/L)

### **Usage**

NISTpoundPerGallonImperialTOkgPerLiter(poundPerGallonImperial)

### **Arguments**

poundPerGallonImperial

pound per gallon [Canadian and U.K. (Imperial)] (lb/gal)

### **Value**

kilogram per liter (kg/L)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTpoundPerGallonImperialTOkgPerLiter(10)

---

NISTpoundPerGallonTOkgPerCubMeter

*Convert pound per gallon to kilogram per cubic meter*

---

**Description**

NISTpoundPerGallonTOkgPerCubMeter converts from pound per gallon (U.S.) (lb/gal) to kilogram per cubic meter (kg/m<sup>3</sup>)

**Usage**

NISTpoundPerGallonTOkgPerCubMeter(poundPerGallon)

**Arguments**

poundPerGallon pound per gallon (U.S.) (lb/gal)

**Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerGallonTOkgPerCubMeter(10)

---

NISTpoundPerGallonTOkgPerLiter

*Convert pound per gallon to kilogram per liter*

---

**Description**

NISTpoundPerGallonTOkgPerLiter converts from pound per gallon (U.S.) (lb/gal) to kilogram per liter (kg/L)

**Usage**

NISTpoundPerGallonTOkgPerLiter(poundPerGallon)

**Arguments**

poundPerGallon pound per gallon (U.S.) (lb/gal)

**Value**

kilogram per liter (kg/L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerGallonTOkgPerLiter(10)

---

NISTpoundPerHorsepowerHourTOkgPerJoule

*Convert pound per horsepower hour to kilogram per joule*

---

### Description

NISTpoundPerHorsepowerHourTOkgPerJoule converts from pound per horsepower hour [lb/(hp \* h)] to kilogram per joule (kg/J)

### Usage

NISTpoundPerHorsepowerHourTOkgPerJoule(poundPerHorsepowerHour)

### Arguments

poundPerHorsepowerHour  
pound per horsepower hour [lb/(hp \* h)]

### Value

kilogram per joule (kg/J)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTpoundPerHorsepowerHourTOkgPerJoule(10)

---

NISTpoundPerHourTOkgPerSec

*Convert pound per hour to kilogram per second*

---

**Description**

NISTpoundPerHourTOkgPerSec converts from pound per hour (lb/h) to kilogram per second (kg/s)

**Usage**

NISTpoundPerHourTOkgPerSec(poundPerHour)

**Arguments**

poundPerHour    pound per hour (lb/h)

**Value**

kilogram per second (kg/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerHourTOkgPerSec(10)



---

NISTpoundPerInchTOkgPerMeter

*Convert pound per inch to kilogram per meter*

---

**Description**

NISTpoundPerInchTOkgPerMeter converts from pound per inch (lb/in) to kilogram per meter (kg/m)

**Usage**

NISTpoundPerInchTOkgPerMeter(poundPerInch)

**Arguments**

poundPerInch    pound per inch (lb/in)

**Value**

kilogram per meter (kg/m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerInchTOkgPerMeter(10)

---

NISTpoundPerMinTOkgPerSec

*Convert pound per minute to kilogram per second*

---

**Description**

NISTpoundPerMinTOkgPerSec converts from pound per minute (lb/min) to kilogram per second (kg/s)

**Usage**

NISTpoundPerMinTOkgPerSec(poundPerMin)

**Arguments**

poundPerMin      pound per minute (lb/min)

**Value**

kilogram per second (kg/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerMinTOkgPerSec(10)

---

NISTpoundPerSecTOkgPerSec

*Convert pound per second to kilogram per second*

---

**Description**

NISTpoundPerSecTOkgPerSec converts from pound per second (lb/s) to kilogram per second (kg/s)

**Usage**

NISTpoundPerSecTOkgPerSec(poundPerSec)

**Arguments**

poundPerSec     pound per second (lb/s)

**Value**

kilogram per second (kg/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerSecTOkgPerSec(10)

---

NISTpoundPerSqrFtTOkgPerSqrMeter

*Convert pound per square foot to kilogram per square meter*

---

**Description**

NISTpoundPerSqrFtTOkgPerSqrMeter converts from pound per square foot (lb/ft<sup>2</sup>) to kilogram per square meter (kg/m<sup>2</sup>)

**Usage**

NISTpoundPerSqrFtTOkgPerSqrMeter (poundPerSqrFt)

**Arguments**

poundPerSqrFt    pound per square foot (lb/ft<sup>2</sup>)

**Value**

kilogram per square meter (kg/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerSqrFtTOkgPerSqrMeter(10)

---

NISTpoundPerSqrInchTOkgPerSqrMeter

*Convert pound per square inch to kilogram per square meter*

---

**Description**

NISTpoundPerSqrInchTOkgPerSqrMeter converts from pound per square inch (not pound-force) (lb/in<sup>2</sup>) to kilogram per square meter (kg/m<sup>2</sup>)

**Usage**

NISTpoundPerSqrInchTOkgPerSqrMeter(poundPerSqrInch)

**Arguments**

poundPerSqrInch

pound per square inch (not pound-force) (lb/in<sup>2</sup>)

**Value**

kilogram per square meter (kg/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerSqrInchTOkgPerSqrMeter(10)

---

NISTpoundPerYardTOkgPerMeter

*Convert pound per yard to kilogram per meter*

---

**Description**

NISTpoundPerYardTOkgPerMeter converts from pound per yard (lb/yd) to kilogram per meter (kg/m)

**Usage**

NISTpoundPerYardTOkgPerMeter(poundPerYard)

**Arguments**

poundPerYard    pound per yard (lb/yd)

**Value**

kilogram per meter (kg/m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundPerYardTOkgPerMeter(10)

---

NISTpoundTroyTOkg      *Convert pound to kilogram*

---

**Description**

NISTpoundTroyTOkg converts from pound (troy or apothecary) (lb) to kilogram (kg)

**Usage**

NISTpoundTroyTOkg(poundTroy)

**Arguments**

poundTroy      pound (troy or apothecary) (lb)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpoundTroyTOkg(10)

---

NISTpsiTokpascal      *Convert psi to kilopascal*

---

**Description**

NISTpsiTokpascal converts from psi (pound-force per square inch) (lbf/in<sup>2</sup>) to kilopascal (kPa)

**Usage**

NISTpsiTokpascal(psi)

**Arguments**

psi                      psi (pound-force per square inch) (lbf/in<sup>2</sup>)

**Value**

kilopascal (kPa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpsiTokpascal(10)



---

NISTpsiTOPascal	<i>Convert psi to pascal</i>
-----------------	------------------------------

---

**Description**

NISTpsiTOPascal converts from psi (pound-force per square inch) (lbf/in<sup>2</sup>) to pascal (Pa)

**Usage**

NISTpsiTOPascal(psi)

**Arguments**

psi                    psi (pound-force per square inch) (lbf/in<sup>2</sup>)

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTpsiTOPascal(10)

---

NISTquadTOjoule	<i>Convert quad 11 to joule</i>
-----------------	---------------------------------

---

**Description**

NISTquadTOjoule converts from quad (1015 BtuIT) 11 to joule (J)

**Usage**

NISTquadTOjoule(quad)

**Arguments**

quad                  quad (1015 BtuIT) 11

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTquadTOjoule(10)

---

NISTquartUSdryTOcubMeter

*Convert quart to cubic meter*

---

**Description**

NISTquartUSdryTOcubMeter converts from quart (U.S. dry) (dry qt) to cubic meter (m3)

**Usage**

NISTquartUSdryTOcubMeter(quartUSdry)

**Arguments**

quartUSdry      quart (U.S. dry) (dry qt)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTquartUSdryTOcubMeter(10)

---

NISTquartUSdryToliter *Convert quart to liter*

---

**Description**

NISTquartUSdryToliter converts from quart (U.S. dry) (dry qt) to liter (L)

**Usage**

NISTquartUSdryToliter(quartUSdry)

**Arguments**

quartUSdry      quart (U.S. dry) (dry qt)

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTquartUSdryToliter(10)

---

NISTquartUSliquidTOcubMeter

*Convert quart to cubic meter*

---

**Description**

NISTquartUSliquidTOcubMeter converts from quart (U.S. liquid) (liq qt) to cubic meter (m3)

**Usage**

NISTquartUSliquidTOcubMeter(quartUSliquid)

**Arguments**

quartUSliquid    quart (U.S. liquid) (liq qt)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTquartUSliquidTOcubMeter(10)

---

NISTquartUSliquidToliter

*Convert quart to liter*

---

**Description**

NISTquartUSliquidToliter converts from quart (U.S. liquid) (liq qt) to liter (L)

**Usage**

NISTquartUSliquidToliter(quartUSliquid)

**Arguments**

quartUSliquid quart (U.S. liquid) (liq qt)

**Value**

liter (L)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTquartUSliquidToliter(10)

---

NISTradianPerSecT0revolutionPerMin

*Convert radian per second to revolution per minute*

---

**Description**

NISTradianPerSecT0revolutionPerMin converts from radian per second (rad/s) to revolution per minute (rpm) (r/min)

**Usage**

NISTradianPerSecT0revolutionPerMin(radianPerSec)

**Arguments**

radianPerSec    radian per second (rad/s)

**Value**

revolution per minute (rpm) (r/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTradianPerSecT0revolutionPerMin(10)

---

NISTradianPerSecToRpm *Convert radian per second to rpm*

---

**Description**

NISTradianPerSecToRpm converts from radian per second (rad/s) to rpm (revolution per minute) (r/min)

**Usage**

NISTradianPerSecToRpm(radianPerSec)

**Arguments**

radianPerSec    radian per second (rad/s)

**Value**

rpm (revolution per minute) (r/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTradianPerSecToRpm(10)



---

NISTradianTOdeg	<i>Convert radian to degree</i>
-----------------	---------------------------------

---

**Description**

NISTradianTOdeg converts from radian (rad) to degree (angle) ()

**Usage**

NISTradianTOdeg(radian)

**Arguments**

radian          radian (rad)

**Value**

degree (angle) ()

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTradianTOdeg(10)

---

NISTradianTOgon	<i>Convert radian to gon</i>
-----------------	------------------------------

---

**Description**

NISTradianTOgon converts from radian (rad) to gon (also called grade) (gon)

**Usage**

NISTradianTOgon(radian)

**Arguments**

radian          radian (rad)

**Value**

gon (also called grade) (gon)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTradianTOgon(10)

---

NISTradianT0mil	<i>Convert radian to mil</i>
-----------------	------------------------------

---

**Description**

NISTradianT0mil converts from radian (rad) to mil (angle)

**Usage**

NISTradianT0mil(radian)

**Arguments**

radian            radian (rad)

**Value**

mil (angle)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTradianT0mil(10)

---

NISTradianTomin	<i>Convert radian to minute</i>
-----------------	---------------------------------

---

**Description**

NISTradianTomin converts from radian (rad) to minute (angle) (')

**Usage**

NISTradianTomin(radian)

**Arguments**

radian          radian (rad)

**Value**

minute (angle) (')

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTradianTomin(10)

---

NISTradianTOrevolution

*Convert radian to revolution*

---

**Description**

NISTradianTOrevolution converts from radian (rad) to revolution (r)

**Usage**

NISTradianTOrevolution(radian)

**Arguments**

radian            radian (rad)

**Value**

revolution (r)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTradianTOrevolution(10)

---

NISTradianTOsec	<i>Convert radian to second</i>
-----------------	---------------------------------

---

**Description**

NISTradianTOsec converts from radian (rad) to second (angle) (")

**Usage**

NISTradianTOsec(radian)

**Arguments**

radian            radian (rad)

**Value**

second (angle) (")

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTradianTOsec(10)

---

NISTradT0gray	<i>Convert rad to gray</i>
---------------	----------------------------

---

**Description**

NISTradT0gray converts from rad (absorbed dose) (rad) to gray (Gy)

**Usage**

NISTradT0gray(rad)

**Arguments**

rad                      rad (absorbed dose) (rad)

**Value**

gray (Gy)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTradT0gray(10)

---

NISTreciprocalMeterTokayser

*Convert reciprocal meter to kayser*

---

**Description**

NISTreciprocalMeterTokayser converts from reciprocal meter (m-1) to kayser (K)

**Usage**

NISTreciprocalMeterTokayser(reciprocalMeter)

**Arguments**

reciprocalMeter  
reciprocal meter (m-1)

**Value**

kayser (K)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTreciprocalMeterTokayser(10)



---

NISTreciprocalPascalSec1TOrhe

*Convert reciprocal pascal second -1 to rhe*

---

**Description**

NISTreciprocalPascalSec1TOrhe converts from reciprocal pascal second (Pa \* s)-1 to rhe

**Usage**

NISTreciprocalPascalSec1TOrhe(reciprocalPascalSec1)

**Arguments**

reciprocalPascalSec1  
reciprocal pascal second (Pa \* s)-1

**Value**

rhe

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTreciprocalPascalSec1TOrhe(10)

---

NISTremTosievert	<i>Convert rem to sievert</i>
------------------	-------------------------------

---

**Description**

NISTremTosievert converts from rem (rem) to sievert (Sv)

**Usage**

NISTremTosievert(rem)

**Arguments**

rem	rem (rem)
-----	-----------

**Value**

sievert (Sv)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTremTosievert(10)

---

NISTrevolutionPerMinToRadianPerSec

*Convert revolution per minute to radian per second*

---

### **Description**

NISTrevolutionPerMinToRadianPerSec converts from revolution per minute (rpm) (r/min) to radian per second (rad/s)

### **Usage**

NISTrevolutionPerMinToRadianPerSec(revolutionPerMin)

### **Arguments**

revolutionPerMin  
revolution per minute (rpm) (r/min)

### **Value**

radian per second (rad/s)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTrevolutionPerMinToRadianPerSec(10)

---

NISTrevolutionToRadian

*Convert revolution to radian*

---

**Description**

NISTrevolutionToRadian converts from revolution (r) to radian (rad)

**Usage**

NISTrevolutionToRadian(revolution)

**Arguments**

revolution      revolution (r)

**Value**

radian (rad)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTrevolutionToRadian(10)

---

NISTrheTOreciprocalPascalSec1

*Convert rhe to reciprocal pascal second -1*

---

**Description**

NISTrheTOreciprocalPascalSec1 converts from rhe to reciprocal pascal second (Pa \* s)-1

**Usage**

NISTrheTOreciprocalPascalSec1(rhe)

**Arguments**

rhe            rhe

**Value**

reciprocal pascal second (Pa \* s)-1

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTrheTOreciprocalPascalSec1(10)

---

NISTrodTOMeter	<i>Convert rod 7 to meter</i>
----------------	-------------------------------

---

**Description**

NISTrodTOMeter converts from rod (based on U.S. survey foot) (rd) 7 to meter (m)

**Usage**

NISTrodTOMeter(rod)

**Arguments**

rod                      rod (based on U.S. survey foot) (rd) 7

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTrodTOMeter(10)

---

NISTroentgenTOcoulombPerKg

*Convert roentgen to coulomb per kilogram*

---

**Description**

NISTroentgenTOcoulombPerKg converts from roentgen (R) to coulomb per kilogram (C/kg)

**Usage**

NISTroentgenTOcoulombPerKg(roentgen)

**Arguments**

roentgen          roentgen (R)

**Value**

coulomb per kilogram (C/kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTroentgenTOcoulombPerKg(10)

---

NISTrpmTOradianPerSec *Convert rpm to radian per second*

---

**Description**

NISTrpmTOradianPerSec converts from rpm (revolution per minute) (r/min) to radian per second (rad/s)

**Usage**

NISTrpmTOradianPerSec(rpm)

**Arguments**

rpm                  rpm (revolution per minute) (r/min)

**Value**

radian per second (rad/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTrpmTOradianPerSec(10)



---

NISTsecTODay	<i>Convert second to day</i>
--------------	------------------------------

---

**Description**

NISTsecTODay converts from second (s) to day (d)

**Usage**

NISTsecTODay(sec)

**Arguments**

sec                    second (s)

**Value**

day (d)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecTODay(10)

---

NISTsecTODaySidereal *Convert second to day*

---

**Description**

NISTsecTODaySidereal converts from second (s) to day (sidereal)

**Usage**

NISTsecTODaySidereal(sec)

**Arguments**

sec                    second (s)

**Value**

day (sidereal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecTODaySidereal(10)

---

NISTsecTOhour	<i>Convert second to hour</i>
---------------	-------------------------------

---

**Description**

NISTsecTOhour converts from second (s) to hour (h)

**Usage**

NISTsecTOhour(sec)

**Arguments**

sec                    second (s)

**Value**

hour (h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecTOhour(10)

---

NISTsecTOhourSidereal *Convert second to hour*

---

**Description**

NISTsecTOhourSidereal converts from second (s) to hour (sidereal)

**Usage**

NISTsecTOhourSidereal(sec)

**Arguments**

sec                    second (s)

**Value**

hour (sidereal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecTOhourSidereal(10)

---

NISTsecT0min	<i>Convert second to minute</i>
--------------	---------------------------------

---

**Description**

NISTsecT0min converts from second (s) to minute (min)

**Usage**

NISTsecT0min(sec)

**Arguments**

sec                    second (s)

**Value**

minute (min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecT0min(10)

---

NISTsecT0minSidereal *Convert second to minute*

---

**Description**

NISTsecT0minSidereal converts from second (s) to minute (sidereal)

**Usage**

NISTsecT0minSidereal(sec)

**Arguments**

sec                    second (s)

**Value**

minute (sidereal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecT0minSidereal(10)

---

NISTsecTOradian	<i>Convert second to radian</i>
-----------------	---------------------------------

---

**Description**

NISTsecTOradian converts from second (angle) (") to radian (rad)

**Usage**

NISTsecTOradian(sec)

**Arguments**

sec	second (angle) (")
-----	--------------------

**Value**

radian (rad)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecTOradian(10)

---

NISTsecT0sec	<i>Convert second to second</i>
--------------	---------------------------------

---

**Description**

NISTsecT0sec converts from second (s) to second (sidereal)

**Usage**

NISTsecT0sec(sec)

**Arguments**

sec                    second (s)

**Value**

second (sidereal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecT0sec(10)



---

NISTsecT0shake	<i>Convert second to shake</i>
----------------	--------------------------------

---

**Description**

NISTsecT0shake converts from second (s) to shake

**Usage**

NISTsecT0shake(sec)

**Arguments**

sec	second (s)
-----	------------

**Value**

shake

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecT0shake(10)

---

NISTsecT0year	<i>Convert second to year</i>
---------------	-------------------------------

---

**Description**

NISTsecT0year converts from second (s) to year (365 days)

**Usage**

NISTsecT0year(sec)

**Arguments**

sec                    second (s)

**Value**

year (365 days)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecT0year(10)

---

NISTsecTOyearSidereal *Convert second to year*

---

**Description**

NISTsecTOyearSidereal converts from second (s) to year (sidereal)

**Usage**

NISTsecTOyearSidereal(sec)

**Arguments**

sec                    second (s)

**Value**

year (sidereal)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecTOyearSidereal(10)

---

NISTsecTOyearTropical *Convert second to year*

---

**Description**

NISTsecTOyearTropical converts from second (s) to year (tropical)

**Usage**

NISTsecTOyearTropical(sec)

**Arguments**

sec                    second (s)

**Value**

year (tropical)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsecTOyearTropical(10)

---

NISTshakeTONanosec      *Convert shake to nanosecond*

---

**Description**

NISTshakeTONanosec converts from shake to nanosecond (ns)

**Usage**

NISTshakeTONanosec(shake)

**Arguments**

shake                  shake

**Value**

nanosecond (ns)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTshakeTONanosec(10)

---

NISTshakeTOsec	<i>Convert shake to second</i>
----------------	--------------------------------

---

**Description**

NISTshakeTOsec converts from shake to second (s)

**Usage**

NISTshakeTOsec(shake)

**Arguments**

shake            shake

**Value**

second (s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTshakeTOsec(10)

---

NISTsiemensTOabmho      *Convert siemens to abmho*

---

**Description**

NISTsiemensTOabmho converts from siemens (S) to abmho

**Usage**

NISTsiemensTOabmho(siemens)

**Arguments**

siemens                  siemens (S)

**Value**

abmho

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsiemensTOabmho(10)

---

NISTsiemensTOmho      *Convert siemens to mho*

---

**Description**

NISTsiemensTOmho converts from siemens (S) to mho

**Usage**

NISTsiemensTOmho(siemens)

**Arguments**

siemens      siemens (S)

**Value**

mho

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsiemensTOmho(10)



---

NISTsiemensTostatmho *Convert siemens to statmho*

---

**Description**

NISTsiemensTostatmho converts from siemens (S) to statmho

**Usage**

NISTsiemensTostatmho(siemens)

**Arguments**

siemens          siemens (S)

**Value**

statmho

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsiemensTostatmho(10)

---

NISTsievertTOrem	<i>Convert sievert to rem</i>
------------------	-------------------------------

---

**Description**

NISTsievertTOrem converts from sievert (Sv) to rem (rem)

**Usage**

NISTsievertTOrem(sievert)

**Arguments**

sievert          sievert (Sv)

**Value**

rem (rem)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsievertTOrem(10)

---

NISTslugPerCubFtTOkgPerCubMeter

*Convert slug per cubic foot to kilogram per cubic meter*

---

**Description**

NISTslugPerCubFtTOkgPerCubMeter converts from slug per cubic foot (slug/ft<sup>3</sup>) to kilogram per cubic meter (kg/m<sup>3</sup>)

**Usage**

NISTslugPerCubFtTOkgPerCubMeter(slugPerCubFt)

**Arguments**

slugPerCubFt slug per cubic foot (slug/ft<sup>3</sup>)

**Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTslugPerCubFtTOkgPerCubMeter(10)

---

NISTslugPerFtSecTOpascalSec

*Convert slug per foot second to pascal second*

---

**Description**

NISTslugPerFtSecTOpascalSec converts from slug per foot second [slug/(ft \* s)] to pascal second (Pa \* s)

**Usage**

NISTslugPerFtSecTOpascalSec(slugPerFtSec)

**Arguments**

slugPerFtSec slug per foot second [slug/(ft \* s)]

**Value**

pascal second (Pa \* s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTslugPerFtSecTOpascalSec(10)

---

NISTslugT0kg	<i>Convert slug to kilogram</i>
--------------	---------------------------------

---

**Description**

NISTslugT0kg converts from slug (slug) to kilogram (kg)

**Usage**

NISTslugT0kg(slug)

**Arguments**

slug            slug (slug)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTslugT0kg(10)

---

NISTsqrCmTOsqrInch      *Convert square centimeter to square inch*

---

**Description**

NISTsqrCmTOsqrInch converts from square centimeter (cm<sup>2</sup>) to square inch (in<sup>2</sup>)

**Usage**

NISTsqrCmTOsqrInch(sqrCm)

**Arguments**

sqrCm                  square centimeter (cm<sup>2</sup>)

**Value**

square inch (in<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrCmTOsqrInch(10)

---

NISTsqrFtPerHourTOsqrMeterPerSec

*Convert square foot per hour to square meter per second*

---

**Description**

NISTsqrFtPerHourTOsqrMeterPerSec converts from square foot per hour (ft<sup>2</sup>/h) to square meter per second (m<sup>2</sup>/s)

**Usage**

NISTsqrFtPerHourTOsqrMeterPerSec(sqrFtPerHour)

**Arguments**

sqrFtPerHour    square foot per hour (ft<sup>2</sup>/h)

**Value**

square meter per second (m<sup>2</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrFtPerHourTOsqrMeterPerSec(10)

---

NISTsqrFtPerSecTOsqrMeterPerSec

*Convert square foot per second to square meter per second*

---

**Description**

NISTsqrFtPerSecTOsqrMeterPerSec converts from square foot per second (ft<sup>2</sup>/s) to square meter per second (m<sup>2</sup>/s)

**Usage**

NISTsqrFtPerSecTOsqrMeterPerSec(sqrFtPerSec)

**Arguments**

sqrFtPerSec      square foot per second (ft<sup>2</sup>/s)

**Value**

square meter per second (m<sup>2</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrFtPerSecTOsqrMeterPerSec(10)



---

NISTsqrFtTOsqrMeter     *Convert square foot to square meter*

---

**Description**

NISTsqrFtTOsqrMeter converts from square foot (ft2) to square meter (m2)

**Usage**

NISTsqrFtTOsqrMeter(sqrFt)

**Arguments**

sqrFt                square foot (ft2)

**Value**

square meter (m2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrFtTOsqrMeter(10)

---

NISTsqrInchTOsqrCm      *Convert square inch to square centimeter*

---

**Description**

NISTsqrInchTOsqrCm converts from square inch (in<sup>2</sup>) to square centimeter (cm<sup>2</sup>)

**Usage**

NISTsqrInchTOsqrCm(sqrInch)

**Arguments**

sqrInch              square inch (in<sup>2</sup>)

**Value**

square centimeter (cm<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrInchTOsqrCm(10)

---

NISTsqrInchTOsqrMeter *Convert square inch to square meter*

---

**Description**

NISTsqrInchTOsqrMeter converts from square inch (in2) to square meter (m2)

**Usage**

NISTsqrInchTOsqrMeter(sqrInch)

**Arguments**

sqrInch            square inch (in2)

**Value**

square meter (m2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrInchTOsqrMeter(10)

---

NISTsqrKmTOsqrMile      *Convert square kilometer to square mile*

---

**Description**

NISTsqrKmTOsqrMile converts from square kilometer (km<sup>2</sup>) to square mile (mi<sup>2</sup>)

**Usage**

NISTsqrKmTOsqrMile(sqrKm)

**Arguments**

sqrKm                  square kilometer (km<sup>2</sup>)

**Value**

square mile (mi<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrKmTOsqrMile(10)

---

NISTsqrKmTosqrMileUSsurvey

*Convert square kilometer to square mile 7*

---

**Description**

NISTsqrKmTosqrMileUSsurvey converts from square kilometer (km<sup>2</sup>) to square mile (based on U.S. survey foot) (mi<sup>2</sup>) 7

**Usage**

NISTsqrKmTosqrMileUSsurvey(sqrKm)

**Arguments**

sqrKm            square kilometer (km<sup>2</sup>)

**Value**

square mile (based on U.S. survey foot) (mi<sup>2</sup>) 7

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrKmTosqrMileUSsurvey(10)

---

NISTsqrMeterKPerWattTOclo

*Convert square meter kelvin per watt to clo*

---

**Description**

NISTsqrMeterKPerWattTOclo converts from square meter kelvin per watt ( $\text{m}^2 \cdot \text{K}/\text{W}$ ) to clo

**Usage**

NISTsqrMeterKPerWattTOclo(sqrMeterKPerWatt)

**Arguments**

sqrMeterKPerWatt  
square meter kelvin per watt ( $\text{m}^2 \cdot \text{K}/\text{W}$ )

**Value**

clo

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterKPerWattTOclo(10)

---

NISTsqMeterKPerWattT0degFHourSqrFtPerUkThUnIT

*Convert square meter kelvin per watt to degree Fahrenheit hour square foot per British thermal unitIT*

---

### Description

NISTsqMeterKPerWattT0degFHourSqrFtPerUkThUnIT converts from square meter kelvin per watt ( $\text{m}^2 \cdot \text{K}/\text{W}$ ) to degree Fahrenheit hour square foot per British thermal unitIT ( $\text{F} \cdot \text{h} \cdot \text{ft}^2/\text{BtuIT}$ )

### Usage

NISTsqMeterKPerWattT0degFHourSqrFtPerUkThUnIT(sqMeterKPerWatt)

### Arguments

sqMeterKPerWatt  
square meter kelvin per watt ( $\text{m}^2 \cdot \text{K}/\text{W}$ )

### Value

degree Fahrenheit hour square foot per British thermal unitIT ( $\text{F} \cdot \text{h} \cdot \text{ft}^2/\text{BtuIT}$ )

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTsqMeterKPerWattT0degFHourSqrFtPerUkThUnIT(10)

---

NISTsqrMeterKPerWattTOdegFHourSqrFtPerUkThUnth

*Convert square meter kelvin per watt to degree Fahrenheit hour square foot per British thermal unitth*

---

### Description

NISTsqrMeterKPerWattTOdegFHourSqrFtPerUkThUnth converts from square meter kelvin per watt ( $\text{m}^2 \cdot \text{K}/\text{W}$ ) to degree Fahrenheit hour square foot per British thermal unitth ( $\text{F} \cdot \text{h} \cdot \text{ft}^2/\text{Btuth}$ )

### Usage

NISTsqrMeterKPerWattTOdegFHourSqrFtPerUkThUnth(sqrMeterKPerWatt)

### Arguments

sqrMeterKPerWatt  
square meter kelvin per watt ( $\text{m}^2 \cdot \text{K}/\text{W}$ )

### Value

degree Fahrenheit hour square foot per British thermal unitth ( $\text{F} \cdot \text{h} \cdot \text{ft}^2/\text{Btuth}$ )

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTsqrMeterKPerWattTOdegFHourSqrFtPerUkThUnth(10)



---

NISTsqrMeterPerSecT0sqrFtPerHour

*Convert square meter per second to square foot per hour*

---

**Description**

NISTsqrMeterPerSecT0sqrFtPerHour converts from square meter per second (m<sup>2</sup>/s) to square foot per hour (ft<sup>2</sup>/h)

**Usage**

NISTsqrMeterPerSecT0sqrFtPerHour(sqrMeterPerSec)

**Arguments**

sqrMeterPerSec square meter per second (m<sup>2</sup>/s)

**Value**

square foot per hour (ft<sup>2</sup>/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterPerSecT0sqrFtPerHour(10)

---

NISTsqrMeterPerSecT0sqrFtPerSec

*Convert square meter per second to square foot per second*

---

**Description**

NISTsqrMeterPerSecT0sqrFtPerSec converts from square meter per second (m<sup>2</sup>/s) to square foot per second (ft<sup>2</sup>/s)

**Usage**

NISTsqrMeterPerSecT0sqrFtPerSec(sqrMeterPerSec)

**Arguments**

sqrMeterPerSec square meter per second (m<sup>2</sup>/s)

**Value**

square foot per second (ft<sup>2</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterPerSecT0sqrFtPerSec(10)

---

NISTsqrMeterTOacre      *Convert square meter to acre* 7

---

**Description**

NISTsqrMeterTOacre converts from square meter (m<sup>2</sup>) to acre (based on U.S. survey foot) 7

**Usage**

NISTsqrMeterTOacre(sqrMeter)

**Arguments**

sqrMeter      square meter (m<sup>2</sup>)

**Value**

acre (based on U.S. survey foot) 7

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterTOacre(10)

---

NISTsqrMeterTOare	<i>Convert square meter to are</i>
-------------------	------------------------------------

---

**Description**

NISTsqrMeterTOare converts from square meter (m2) to are (a)

**Usage**

NISTsqrMeterTOare(sqrMeter)

**Arguments**

sqrMeter      square meter (m2)

**Value**

are (a)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterTOare(10)

---

NISTsqrMeterTObarn      *Convert square meter to barn*

---

**Description**

NISTsqrMeterTObarn converts from square meter (m<sup>2</sup>) to barn (b)

**Usage**

NISTsqrMeterTObarn(sqrMeter)

**Arguments**

sqrMeter      square meter (m<sup>2</sup>)

**Value**

barn (b)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterTObarn(10)

---

NISTsqrMeterTOcircularMil

*Convert square meter to circular mil*

---

**Description**

NISTsqrMeterTOcircularMil converts from square meter (m<sup>2</sup>) to circular mil

**Usage**

NISTsqrMeterTOcircularMil(sqrMeter)

**Arguments**

sqrMeter          square meter (m<sup>2</sup>)

**Value**

circular mil

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterTOcircularMil(10)

---

NISTsqrMeterTOhectare *Convert square meter to hectare*

---

**Description**

NISTsqrMeterTOhectare converts from square meter (m2) to hectare (ha)

**Usage**

NISTsqrMeterTOhectare(sqrMeter)

**Arguments**

sqrMeter          square meter (m2)

**Value**

hectare (ha)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterTOhectare(10)

---

NISTsqrMeterTOsqrFt    *Convert square meter to square foot*

---

**Description**

NISTsqrMeterTOsqrFt converts from square meter (m2) to square foot (ft2)

**Usage**

NISTsqrMeterTOsqrFt(sqrMeter)

**Arguments**

sqrMeter            square meter (m2)

**Value**

square foot (ft2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterTOsqrFt(10)



---

NISTsqrMeterTOsqrInch *Convert square meter to square inch*

---

**Description**

NISTsqrMeterTOsqrInch converts from square meter (m2) to square inch (in2)

**Usage**

NISTsqrMeterTOsqrInch(sqrMeter)

**Arguments**

sqrMeter          square meter (m2)

**Value**

square inch (in2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterTOsqrInch(10)

---

NISTsqrMeterTOsqrMile *Convert square meter to square mile*

---

**Description**

NISTsqrMeterTOsqrMile converts from square meter (m2) to square mile (mi2)

**Usage**

NISTsqrMeterTOsqrMile(sqrMeter)

**Arguments**

sqrMeter          square meter (m2)

**Value**

square mile (mi2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterTOsqrMile(10)

---

NISTsqrMeterTOsqrMileUSsurvey

*Convert square meter to square mile 7*

---

**Description**

NISTsqrMeterTOsqrMileUSsurvey converts from square meter (m<sup>2</sup>) to square mile (based on U.S. survey foot) (mi<sup>2</sup>) 7

**Usage**

NISTsqrMeterTOsqrMileUSsurvey(sqrMeter)

**Arguments**

sqrMeter          square meter (m<sup>2</sup>)

**Value**

square mile (based on U.S. survey foot) (mi<sup>2</sup>) 7

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterTOsqrMileUSsurvey(10)

---

NISTsqrMeterTOsqrYard *Convert square meter to square yard*

---

**Description**

NISTsqrMeterTOsqrYard converts from square meter (m2) to square yard (yd2)

**Usage**

NISTsqrMeterTOsqrYard(sqrMeter)

**Arguments**

sqrMeter          square meter (m2)

**Value**

square yard (yd2)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMeterTOsqrYard(10)

---

NISTsqrMileTOsqrKm      *Convert square mile to square kilometer*

---

**Description**

NISTsqrMileTOsqrKm converts from square mile (mi<sup>2</sup>) to square kilometer (km<sup>2</sup>)

**Usage**

NISTsqrMileTOsqrKm(sqrMile)

**Arguments**

sqrMile            square mile (mi<sup>2</sup>)

**Value**

square kilometer (km<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMileTOsqrKm(10)

---

NISTsqrMileTOsqrMeter *Convert square mile to square meter*

---

**Description**

NISTsqrMileTOsqrMeter converts from square mile (mi<sup>2</sup>) to square meter (m<sup>2</sup>)

**Usage**

NISTsqrMileTOsqrMeter(sqrMile)

**Arguments**

sqrMile            square mile (mi<sup>2</sup>)

**Value**

square meter (m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMileTOsqrMeter(10)

---

NISTsqrMileUSsurveyTosqrKm

*Convert square mile 7 to square kilometer*

---

### **Description**

NISTsqrMileUSsurveyTosqrKm converts from square mile (based on U.S. survey foot) (mi<sup>2</sup>) 7 to square kilometer (km<sup>2</sup>)

### **Usage**

NISTsqrMileUSsurveyTosqrKm(sqrMileUSsurvey)

### **Arguments**

sqrMileUSsurvey

square mile (based on U.S. survey foot) (mi<sup>2</sup>) 7

### **Value**

square kilometer (km<sup>2</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTsqrMileUSsurveyTosqrKm(10)

---

NISTsqrMileUSsurveyTosqrMeter

*Convert square mile 7 to square meter*

---

### **Description**

NISTsqrMileUSsurveyTosqrMeter converts from square mile (based on U.S. survey foot) (mi<sup>2</sup>) 7 to square meter (m<sup>2</sup>)

### **Usage**

NISTsqrMileUSsurveyTosqrMeter(sqrMileUSsurvey)

### **Arguments**

sqrMileUSsurvey  
square mile (based on U.S. survey foot) (mi<sup>2</sup>) 7

### **Value**

square meter (m<sup>2</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTsqrMileUSsurveyTosqrMeter(10)



---

NISTsqrMillimeterTOcircularMil

*Convert square millimeter to circular mil*

---

**Description**

NISTsqrMillimeterTOcircularMil converts from square millimeter (mm<sup>2</sup>) to circular mil

**Usage**

NISTsqrMillimeterTOcircularMil(sqrMillimeter)

**Arguments**

sqrMillimeter    square millimeter (mm<sup>2</sup>)

**Value**

circular mil

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrMillimeterTOcircularMil(10)

---

NISTsqrYardTOsqrMeter *Convert square yard to square meter*

---

**Description**

NISTsqrYardTOsqrMeter converts from square yard (yd<sup>2</sup>) to square meter (m<sup>2</sup>)

**Usage**

NISTsqrYardTOsqrMeter(sqrYard)

**Arguments**

sqrYard            square yard (yd<sup>2</sup>)

**Value**

square meter (m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTsqrYardTOsqrMeter(10)

---

NISTstatampereTOampere

*Convert statampere to ampere*

---

**Description**

NISTstatampereTOampere converts from statampere to ampere (A)

**Usage**

NISTstatampereTOampere(statampere)

**Arguments**

statampere      statampere

**Value**

ampere (A)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTstatampereTOampere(10)

---

NISTstatcoulombTOcoulomb

*Convert statcoulomb to coulomb*

---

**Description**

NISTstatcoulombTOcoulomb converts from statcoulomb to coulomb (C)

**Usage**

NISTstatcoulombTOcoulomb(statcoulomb)

**Arguments**

statcoulomb    statcoulomb

**Value**

coulomb (C)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTstatcoulombTOcoulomb(10)

---

NISTstatfaradTOfarad *Convert statfarad to farad*

---

**Description**

NISTstatfaradTOfarad converts from statfarad to farad (F)

**Usage**

NISTstatfaradTOfarad(statfarad)

**Arguments**

statfarad      statfarad

**Value**

farad (F)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTstatfaradTOfarad(10)

---

NISTstathenryTOhenry *Convert stathenry to henry*

---

**Description**

NISTstathenryTOhenry converts from stathenry to henry (H)

**Usage**

NISTstathenryTOhenry(stathenry)

**Arguments**

stathenry      stathenry

**Value**

henry (H)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTstathenryTOhenry(10)

---

NISTstatmhoTOSiemens *Convert statmho to siemens*

---

**Description**

NISTstatmhoTOSiemens converts from statmho to siemens (S)

**Usage**

NISTstatmhoTOSiemens(statmho)

**Arguments**

statmho            statmho

**Value**

siemens (S)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTstatmhoTOSiemens(10)

---

NISTstatohmTOohm	<i>Convert statohm to ohm</i>
------------------	-------------------------------

---

**Description**

NISTstatohmTOohm converts from statohm to ohm (ohm)

**Usage**

NISTstatohmTOohm(statohm)

**Arguments**

statohm            statohm

**Value**

ohm (ohm)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTstatohmTOohm(10)



---

NISTstatvoltTOvolt      *Convert statvolt to volt*

---

**Description**

NISTstatvoltTOvolt converts from statvolt to volt (V)

**Usage**

NISTstatvoltTOvolt(statvolt)

**Arguments**

statvolt      statvolt

**Value**

volt (V)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTstatvoltTOvolt(10)

---

NISTstereTOcubMeter     *Convert stere to cubic meter*

---

**Description**

NISTstereTOcubMeter converts from stere (st) to cubic meter (m3)

**Usage**

NISTstereTOcubMeter(stere)

**Arguments**

stere                stere (st)

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTstereTOcubMeter(10)

---

NISTstilbTOcandelaPerSqrMeter

*Convert stilb to candela per square meter*

---

**Description**

NISTstilbTOcandelaPerSqrMeter converts from stilb (sb) to candela per square meter (cd/m<sup>2</sup>)

**Usage**

NISTstilbTOcandelaPerSqrMeter(stilb)

**Arguments**

stilb                    stilb (sb)

**Value**

candela per square meter (cd/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTstilbTOcandelaPerSqrMeter(10)

---

NISTstokesT0meterSqrPerSec

*Convert stokes to meter squared per second*

---

**Description**

NISTstokesT0meterSqrPerSec converts from stokes (St) to meter squared per second (m<sup>2</sup>/s)

**Usage**

NISTstokesT0meterSqrPerSec(stokes)

**Arguments**

stokes                    stokes (St)

**Value**

meter squared per second (m<sup>2</sup>/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTstokesT0meterSqrPerSec(10)

---

NISTtablespoonTOcubMeter

*Convert tablespoon to cubic meter*

---

**Description**

NISTtablespoonTOcubMeter converts from tablespoon to cubic meter (m3)

**Usage**

NISTtablespoonTOcubMeter(tablespoon)

**Arguments**

tablespoon      tablespoon

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtablespoonTOcubMeter(10)

---

NISTtablespoonTOml     *Convert tablespoon to milliliter*

---

**Description**

NISTtablespoonTOml converts from tablespoon to milliliter (mL)

**Usage**

NISTtablespoonTOml(tablespoon)

**Arguments**

tablespoon     tablespoon

**Value**

milliliter (mL)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtablespoonTOml(10)

---

NISTteaspoonTOcubMeter

*Convert teaspoon to cubic meter*

---

**Description**

NISTteaspoonTOcubMeter converts from teaspoon to cubic meter (m3)

**Usage**

NISTteaspoonTOcubMeter(teaspoon)

**Arguments**

teaspoon      teaspoon

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTteaspoonTOcubMeter(10)

---

NISTteaspoonTOml      *Convert teaspoon to milliliter*

---

**Description**

NISTteaspoonTOml converts from teaspoon to milliliter (mL)

**Usage**

NISTteaspoonTOml(teaspoon)

**Arguments**

teaspoon      teaspoon

**Value**

milliliter (mL)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTteaspoonTOml(10)



---

NISTteslaTOgamma	<i>Convert tesla to gamma</i>
------------------	-------------------------------

---

**Description**

NISTteslaTOgamma converts from tesla (T) to gamma (y)

**Usage**

NISTteslaTOgamma(tesla)

**Arguments**

tesla            tesla (T)

**Value**

gamma (y)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTteslaTOgamma(10)

---

NISTteslaTOgauss      *Convert tesla to gauss*

---

**Description**

NISTteslaTOgauss converts from tesla (T) to gauss (Gs, G)

**Usage**

NISTteslaTOgauss(tesla)

**Arguments**

tesla            tesla (T)

**Value**

gauss (Gs, G)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTteslaTOgauss(10)

---

NISTtexTOkgPerMeter     *Convert tex to kilogram per meter*

---

**Description**

NISTtexTOkgPerMeter converts from tex to kilogram per meter (kg/m)

**Usage**

NISTtexTOkgPerMeter(tex)

**Arguments**

tex                    tex

**Value**

kilogram per meter (kg/m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtexTOkgPerMeter(10)

---

NISTthermECtOjoule      *Convert therm 24 to joule*

---

**Description**

NISTthermECtOjoule converts from therm (EC) 24 to joule (J)

**Usage**

NISTthermECtOjoule(thermEC)

**Arguments**

thermEC                  therm (EC) 24

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTthermECtOjoule(10)

---

NISTthermUStOjoule     *Convert therm 24 to joule*

---

**Description**

NISTthermUStOjoule converts from therm (U.S.) 24 to joule (J)

**Usage**

NISTthermUStOjoule(thermUS)

**Arguments**

thermUS            therm (U.S.) 24

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTthermUStOjoule(10)

---

NISTtonAssayTOgram     *Convert ton, assay to gram*

---

**Description**

NISTtonAssayTOgram converts from ton, assay (AT) to gram (g)

**Usage**

NISTtonAssayTOgram(tonAssay)

**Arguments**

tonAssay     ton, assay (AT)

**Value**

gram (g)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonAssayTOgram(10)

---

NISTtonAssayTOkg	<i>Convert ton, assay to kilogram</i>
------------------	---------------------------------------

---

**Description**

NISTtonAssayTOkg converts from ton, assay (AT) to kilogram (kg)

**Usage**

NISTtonAssayTOkg(tonAssay)

**Arguments**

tonAssay      ton, assay (AT)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonAssayTOkg(10)

---

NISTtonForceTOkilonewton

*Convert ton-force to kilonewton*

---

**Description**

NISTtonForceTOkilonewton converts from ton-force (2000 lbf) to kilonewton (kN)

**Usage**

NISTtonForceTOkilonewton(tonForce)

**Arguments**

tonForce      ton-force (2000 lbf)

**Value**

kilonewton (kN)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonForceTOkilonewton(10)



---

NISTtonForceTOnewton *Convert ton-force to newton*

---

**Description**

NISTtonForceTOnewton converts from ton-force (2000 lbf) to newton (N)

**Usage**

NISTtonForceTOnewton(tonForce)

**Arguments**

tonForce      ton-force (2000 lbf)

**Value**

newton (N)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonForceTOnewton(10)

---

NISTtonLongPerCubYardTOkgPerCubMeter

*Convert ton, long, per cubic yard to kilogram per cubic meter*

---

### Description

NISTtonLongPerCubYardTOkgPerCubMeter converts from ton, long, per cubic yard to kilogram per cubic meter (kg/m<sup>3</sup>)

### Usage

NISTtonLongPerCubYardTOkgPerCubMeter(tonLongPerCubYard)

### Arguments

tonLongPerCubYard  
ton, long, per cubic yard

### Value

kilogram per cubic meter (kg/m<sup>3</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTtonLongPerCubYardTOkgPerCubMeter(10)

---

NISTtonLongTOkg	<i>Convert ton, long to kilogram</i>
-----------------	--------------------------------------

---

**Description**

NISTtonLongTOkg converts from ton, long (2240 lb) to kilogram (kg)

**Usage**

NISTtonLongTOkg(tonLong)

**Arguments**

tonLong          ton, long (2240 lb)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonLongTOkg(10)

---

NISTtonneTOkg      *Convert tonne to kilogram*

---

**Description**

NISTtonneTOkg converts from tonne (called metric ton in U.S.) (t) to kilogram (kg)

**Usage**

NISTtonneTOkg(tonne)

**Arguments**

tonne              tonne (called metric ton in U.S.) (t)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonneTOkg(10)

---

NISTtonOfRefrigerationTOwatt

*Convert ton of refrigeration to watt*

---

**Description**

NISTtonOfRefrigerationTOwatt converts from ton of refrigeration (12 000 BtuIT/h) to watt (W)

**Usage**

NISTtonOfRefrigerationTOwatt(tonOfRefrigeration)

**Arguments**

tonOfRefrigeration  
ton of refrigeration (12 000 BtuIT/h)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonOfRefrigerationTOwatt(10)

---

NISTtonOfTNTtOjoule    *Convert ton of TNT 25 to joule*

---

**Description**

NISTtonOfTNTtOjoule converts from ton of TNT (energy equivalent) 25 to joule (J)

**Usage**

NISTtonOfTNTtOjoule(tonOfTNT)

**Arguments**

tonOfTNT            ton of TNT (energy equivalent) 25

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonOfTNTtOjoule(10)

---

NISTtonRegisterTOcubMeter

*Convert ton, register to cubic meter*

---

**Description**

NISTtonRegisterTOcubMeter converts from ton, register to cubic meter (m3)

**Usage**

NISTtonRegisterTOcubMeter(tonRegister)

**Arguments**

tonRegister      ton, register

**Value**

cubic meter (m3)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonRegisterTOcubMeter(10)

---

NISTtonShortPerCubYardTOkgPerCubMeter

*Convert ton, short, per cubic yard to kilogram per cubic meter*

---

### **Description**

NISTtonShortPerCubYardTOkgPerCubMeter converts from ton, short, per cubic yard to kilogram per cubic meter (kg/m<sup>3</sup>)

### **Usage**

NISTtonShortPerCubYardTOkgPerCubMeter (tonShortPerCubYard)

### **Arguments**

tonShortPerCubYard  
ton, short, per cubic yard

### **Value**

kilogram per cubic meter (kg/m<sup>3</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTtonShortPerCubYardTOkgPerCubMeter(10)



---

NISTtonShortPerHourTOkgPerSec

*Convert ton, short, per hour to kilogram per second*

---

**Description**

NISTtonShortPerHourTOkgPerSec converts from ton, short, per hour to kilogram per second (kg/s)

**Usage**

NISTtonShortPerHourTOkgPerSec(tonShortPerHour)

**Arguments**

tonShortPerHour  
ton, short, per hour

**Value**

kilogram per second (kg/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonShortPerHourTOkgPerSec(10)

---

NISTtonShortTOkg      *Convert ton, short to kilogram*

---

**Description**

NISTtonShortTOkg converts from ton, short (2000 lb) to kilogram (kg)

**Usage**

NISTtonShortTOkg(tonShort)

**Arguments**

tonShort      ton, short (2000 lb)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonShortTOkg(10)

---

NISTtonSI0kg	<i>Convert ton, metric to kilogram</i>
--------------	--

---

**Description**

NISTtonSI0kg converts from ton, metric (t) to kilogram (kg)

**Usage**

NISTtonSI0kg(tonSI)

**Arguments**

tonSI            ton, metric (t)

**Value**

kilogram (kg)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtonSI0kg(10)

---

NISTtorrTOpascal      *Convert torr to pascal*

---

**Description**

NISTtorrTOpascal converts from torr (Torr) to pascal (Pa)

**Usage**

NISTtorrTOpascal(torr)

**Arguments**

torr                  torr (Torr)

**Value**

pascal (Pa)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTtorrTOpascal(10)

---

NISTukThUn39FtOjoule *Convert British thermal unit to joule*

---

**Description**

NISTukThUn39FtOjoule converts from British thermal unit (39 F) (Btu) to joule (J)

**Usage**

NISTukThUn39FtOjoule(ukThUn39F)

**Arguments**

ukThUn39F      British thermal unit (39 F) (Btu)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUn39FtOjoule(10)

---

NISTukThUn59FtOjoule *Convert British thermal unit to joule*

---

**Description**

NISTukThUn59FtOjoule converts from British thermal unit (59 F) (Btu) to joule (J)

**Usage**

NISTukThUn59FtOjoule(ukThUn59F)

**Arguments**

ukThUn59F      British thermal unit (59 F) (Btu)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUn59FtOjoule(10)

---

NISTukThUn60FtOjoule *Convert British thermal unit to joule*

---

**Description**

NISTukThUn60FtOjoule converts from British thermal unit (60 F) (Btu) to joule (J)

**Usage**

NISTukThUn60FtOjoule(ukThUn60F)

**Arguments**

ukThUn60F      British thermal unit (60 F) (Btu)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUn60FtOjoule(10)

---

NISTukThUnITFtPerHourSqrFtDegFtOwattPerMeterK

*Convert British thermal unitIT foot per hour square foot degree Fahrenheit to watt per meter kelvin*

---

### Description

NISTukThUnITFtPerHourSqrFtDegFtOwattPerMeterK converts from British thermal unitIT foot per hour square foot degree Fahrenheit [BtuIT \* ft/(h \* ft<sup>2</sup> \* F)] to watt per meter kelvin [W/(m \* K)]

### Usage

NISTukThUnITFtPerHourSqrFtDegFtOwattPerMeterK(ukThUnITFtPerHourSqrFtDegF)

### Arguments

ukThUnITFtPerHourSqrFtDegF

British thermal unitIT foot per hour square foot degree Fahrenheit [BtuIT \* ft/(h \* ft<sup>2</sup> \* F)]

### Value

watt per meter kelvin [W/(m \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnITFtPerHourSqrFtDegFtOwattPerMeterK(10)



---

NISTukThUnITInchPerHourSqrFtDegFtOwattPerMeterK

*Convert British thermal unitIT inch per hour square foot degree Fahrenheit to watt per meter kelvin*

---

### Description

NISTukThUnITInchPerHourSqrFtDegFtOwattPerMeterK converts from British thermal unitIT inch per hour square foot degree Fahrenheit [BtuIT \* in/(h \* ft<sup>2</sup> \* F)] to watt per meter kelvin [W/(m \* K)]

### Usage

NISTukThUnITInchPerHourSqrFtDegFtOwattPerMeterK(ukThUnITInchPerHourSqrFtDegF)

### Arguments

ukThUnITInchPerHourSqrFtDegF

British thermal unitIT inch per hour square foot degree Fahrenheit [BtuIT \* in/(h \* ft<sup>2</sup> \* F)]

### Value

watt per meter kelvin [W/(m \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnITInchPerHourSqrFtDegFtOwattPerMeterK(10)

---

NISTukThUnITInchPerSecSqrFtDegFtOwattPerMeterK

*Convert British thermal unitIT inch per second square foot degree Fahrenheit to watt per meter kelvin*

---

### Description

NISTukThUnITInchPerSecSqrFtDegFtOwattPerMeterK converts from British thermal unitIT inch per second square foot degree Fahrenheit [BtuIT \* in / (s \* ft<sup>2</sup> \* F)] to watt per meter kelvin [W/(m \* K)]

### Usage

NISTukThUnITInchPerSecSqrFtDegFtOwattPerMeterK(ukThUnITInchPerSecSqrFtDegF)

### Arguments

ukThUnITInchPerSecSqrFtDegF

British thermal unitIT inch per second square foot degree Fahrenheit [BtuIT \* in / (s \* ft<sup>2</sup> \* F)]

### Value

watt per meter kelvin [W/(m \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnITInchPerSecSqrFtDegFtOwattPerMeterK(10)

---

NISTukThUnITPerCubFtTOjoulePerCubMeter

*Convert British thermal unitIT per cubic foot to joule per cubic meter*

---

### **Description**

NISTukThUnITPerCubFtTOjoulePerCubMeter converts from British thermal unitIT per cubic foot (BtuIT/ft<sup>3</sup>) to joule per cubic meter (J/m<sup>3</sup>)

### **Usage**

NISTukThUnITPerCubFtTOjoulePerCubMeter(ukThUnITPerCubFt)

### **Arguments**

ukThUnITPerCubFt

British thermal unitIT per cubic foot (BtuIT/ft<sup>3</sup>)

### **Value**

joule per cubic meter (J/m<sup>3</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTukThUnITPerCubFtTOjoulePerCubMeter(10)

---

NISTukThUnITPerDegFtOjoulePerK

*Convert British thermal unitIT per degree Fahrenheit to joule per kelvin*

---

### Description

NISTukThUnITPerDegFtOjoulePerK converts from British thermal unitIT per degree Fahrenheit (BtuIT/F) to joule per kelvin (J/K)

### Usage

NISTukThUnITPerDegFtOjoulePerK(ukThUnITPerDegF)

### Arguments

ukThUnITPerDegF

British thermal unitIT per degree Fahrenheit (BtuIT/F)

### Value

joule per kelvin (J/K)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnITPerDegFtOjoulePerK(10)

---

NISTukThUnITPerDegRankineTOjoulePerK

*Convert British thermal unitIT per degree Rankine to joule per kelvin*

---

### Description

NISTukThUnITPerDegRankineTOjoulePerK converts from British thermal unitIT per degree Rankine (BtuIT/R) to joule per kelvin (J/K)

### Usage

```
NISTukThUnITPerDegRankineTOjoulePerK(ukThUnITPerDegRankine)
```

### Arguments

ukThUnITPerDegRankine  
British thermal unitIT per degree Rankine (BtuIT/R)

### Value

joule per kelvin (J/K)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

```
NISTukThUnITPerDegRankineTOjoulePerK(10)
```

---

NISTukThUnITPerHourSqrFtDegFtOwattPerSqrMeterK

*Convert British thermal unitIT per hour square foot degree Fahrenheit to watt per square meter kelvin*

---

### Description

NISTukThUnITPerHourSqrFtDegFtOwattPerSqrMeterK converts from British thermal unitIT per hour square foot degree Fahrenheit [BtuIT/(h \* ft<sup>2</sup> \* F)] to watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

### Usage

NISTukThUnITPerHourSqrFtDegFtOwattPerSqrMeterK(ukThUnITPerHourSqrFtDegF)

### Arguments

ukThUnITPerHourSqrFtDegF

British thermal unitIT per hour square foot degree Fahrenheit [BtuIT/(h \* ft<sup>2</sup> \* F)]

### Value

watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnITPerHourSqrFtDegFtOwattPerSqrMeterK(10)

---

NISTukThUnITPerHourTOwatt

*Convert British thermal unitIT per hour to watt*

---

**Description**

NISTukThUnITPerHourTOwatt converts from British thermal unitIT per hour (BtuIT/h) to watt (W)

**Usage**

NISTukThUnITPerHourTOwatt(ukThUnITPerHour)

**Arguments**

ukThUnITPerHour  
British thermal unitIT per hour (BtuIT/h)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnITPerHourTOwatt(10)

---

NISTukThUnITPerPoundDegFtOjoulePerKgK

*Convert British thermal unitIT per pound degree Fahrenheit to joule per kilogram kelvin*

---

### Description

NISTukThUnITPerPoundDegFtOjoulePerKgK converts from British thermal unitIT per pound degree Fahrenheit [BtuIT/(lb \* F)] to joule per kilogram kelvin [J/(kg \* K)]

### Usage

NISTukThUnITPerPoundDegFtOjoulePerKgK(ukThUnITPerPoundDegF)

### Arguments

ukThUnITPerPoundDegF

British thermal unitIT per pound degree Fahrenheit [BtuIT/(lb \* F)]

### Value

joule per kilogram kelvin [J/(kg \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnITPerPoundDegFtOjoulePerKgK(10)



---

NISTukThUnITPerPoundDegRankineTOjoulePerKgK

*Convert British thermal unitIT per pound degree Rankine to joule per kilogram kelvin*

---

### Description

NISTukThUnITPerPoundDegRankineTOjoulePerKgK converts from British thermal unitIT per pound degree Rankine [BtuIT/(lb \* R)] to joule per kilogram kelvin [J/(kg \* K)]

### Usage

NISTukThUnITPerPoundDegRankineTOjoulePerKgK(ukThUnITPerPoundDegRankine)

### Arguments

ukThUnITPerPoundDegRankine  
British thermal unitIT per pound degree Rankine [BtuIT/(lb \* R)]

### Value

joule per kilogram kelvin [J/(kg \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnITPerPoundDegRankineTOjoulePerKgK(10)

---

NISTukThUnITPerPoundTOjoulePerKg

*Convert British thermal unitIT per pound to joule per kilogram*

---

### **Description**

NISTukThUnITPerPoundTOjoulePerKg converts from British thermal unitIT per pound (BtuIT/lb) to joule per kilogram (J/kg)

### **Usage**

NISTukThUnITPerPoundTOjoulePerKg(ukThUnITPerPound)

### **Arguments**

ukThUnITPerPound

British thermal unitIT per pound (BtuIT/lb)

### **Value**

joule per kilogram (J/kg)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTukThUnITPerPoundTOjoulePerKg(10)

---

NISTukThUnITPerSecSqrFtDegFtOwattPerSqrMeterK

*Convert British thermal unitIT per second square foot degree Fahrenheit to watt per square meter kelvin*

---

### Description

NISTukThUnITPerSecSqrFtDegFtOwattPerSqrMeterK converts from British thermal unitIT per second square foot degree Fahrenheit [BtuIT/(s \* ft<sup>2</sup> \* F)] to watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

### Usage

NISTukThUnITPerSecSqrFtDegFtOwattPerSqrMeterK(ukThUnITPerSecSqrFtDegF)

### Arguments

ukThUnITPerSecSqrFtDegF

British thermal unitIT per second square foot degree Fahrenheit [BtuIT/(s \* ft<sup>2</sup> \* F)]

### Value

watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnITPerSecSqrFtDegFtOwattPerSqrMeterK(10)

---

NISTukThUnITPerSecTowatt

*Convert British thermal unitIT per second to watt*

---

**Description**

NISTukThUnITPerSecTowatt converts from British thermal unitIT per second (BtuIT/s) to watt (W)

**Usage**

NISTukThUnITPerSecTowatt(ukThUnITPerSec)

**Arguments**

ukThUnITPerSec British thermal unitIT per second (BtuIT/s)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnITPerSecTowatt(10)

---

NISTukThUnITPerSqrFtHourTOwattPerSqrMeter

*Convert British thermal unitIT per square foot hour to watt per square meter*

---

### Description

NISTukThUnITPerSqrFtHourTOwattPerSqrMeter converts from British thermal unitIT per square foot hour [BtuIT/(ft<sup>2</sup> \* h)] to watt per square meter (W/m<sup>2</sup>)

### Usage

NISTukThUnITPerSqrFtHourTOwattPerSqrMeter(ukThUnITPerSqrFtHour)

### Arguments

ukThUnITPerSqrFtHour  
British thermal unitIT per square foot hour [BtuIT/(ft<sup>2</sup> \* h)]

### Value

watt per square meter (W/m<sup>2</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnITPerSqrFtHourTOwattPerSqrMeter(10)

---

NISTukThUnITPerSqrFtSecTowattPerSqrMeter

*Convert British thermal unitIT per square foot second to watt per square meter*

---

**Description**

NISTukThUnITPerSqrFtSecTowattPerSqrMeter converts from British thermal unitIT per square foot second [BtuIT/(ft<sup>2</sup> \* s)] to watt per square meter (W/m<sup>2</sup>)

**Usage**

NISTukThUnITPerSqrFtSecTowattPerSqrMeter(ukThUnITPerSqrFtSec)

**Arguments**

ukThUnITPerSqrFtSec

British thermal unitIT per square foot second [BtuIT/(ft<sup>2</sup> \* s)]

**Value**

watt per square meter (W/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnITPerSqrFtSecTowattPerSqrMeter(10)

---

NISTukThUnITPerSqrFtTOjoulePerSqrMeter

*Convert British thermal unitIT per square foot to joule per square meter*

---

### Description

NISTukThUnITPerSqrFtTOjoulePerSqrMeter converts from British thermal unitIT per square foot (BtuIT/ft<sup>2</sup>) to joule per square meter (J/m<sup>2</sup>)

### Usage

NISTukThUnITPerSqrFtTOjoulePerSqrMeter(ukThUnITPerSqrFt)

### Arguments

ukThUnITPerSqrFt  
British thermal unitIT per square foot (BtuIT/ft<sup>2</sup>)

### Value

joule per square meter (J/m<sup>2</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnITPerSqrFtTOjoulePerSqrMeter(10)

---

NISTukThUnITtOjoule    *Convert British thermal unitIT 9 to joule*

---

**Description**

NISTukThUnITtOjoule converts from British thermal unitIT (BtuIT) 9 to joule (J)

**Usage**

NISTukThUnITtOjoule(ukThUnIT)

**Arguments**

ukThUnIT            British thermal unitIT (BtuIT) 9

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnITtOjoule(10)



---

NISTukThUnthFtPerHourSqrFtDegFtOwattPerMeterK

*Convert British thermal unitth foot per hour square foot degree Fahrenheit to watt per meter kelvin*

---

### Description

NISTukThUnthFtPerHourSqrFtDegFtOwattPerMeterK converts from British thermal unitth foot per hour square foot degree Fahrenheit [Btuth \* ft/(h \* ft<sup>2</sup> \* F)] to watt per meter kelvin [W/(m \* K)]

### Usage

NISTukThUnthFtPerHourSqrFtDegFtOwattPerMeterK(ukThUnthFtPerHourSqrFtDegF)

### Arguments

ukThUnthFtPerHourSqrFtDegF

British thermal unitth foot per hour square foot degree Fahrenheit [Btuth \* ft/(h \* ft<sup>2</sup> \* F)]

### Value

watt per meter kelvin [W/(m \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthFtPerHourSqrFtDegFtOwattPerMeterK(10)

---

NISTukThUnthInchPerHourSqrFtDegFtOwattPerMeterK

*Convert British thermal unitth inch per hour square foot degree Fahrenheit to watt per meter kelvin*

---

### Description

NISTukThUnthInchPerHourSqrFtDegFtOwattPerMeterK converts from British thermal unitth inch per hour square foot degree Fahrenheit [Btuth \* in/(h \* ft<sup>2</sup> \* F)] to watt per meter kelvin [W / (m \* K)]

### Usage

NISTukThUnthInchPerHourSqrFtDegFtOwattPerMeterK(ukThUnthInchPerHourSqrFtDegF)

### Arguments

ukThUnthInchPerHourSqrFtDegF

British thermal unitth inch per hour square foot degree Fahrenheit [Btuth \* in/(h \* ft<sup>2</sup> \* F)]

### Value

watt per meter kelvin [W / (m \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthInchPerHourSqrFtDegFtOwattPerMeterK(10)

---

 NISTukThUnthInchPerSecSqrFtDegFtOwattPerMeterK

*Convert British thermal unitth inch per second square foot degree Fahrenheit to watt per meter kelvin*

---

**Description**

NISTukThUnthInchPerSecSqrFtDegFtOwattPerMeterK converts from British thermal unitth inch per second square foot degree Fahrenheit [Btuth \* in / (s \* ft<sup>2</sup> \* F)] to watt per meter kelvin [W/(m \* K)]

**Usage**

NISTukThUnthInchPerSecSqrFtDegFtOwattPerMeterK(ukThUnthInchPerSecSqrFtDegF)

**Arguments**

ukThUnthInchPerSecSqrFtDegF

British thermal unitth inch per second square foot degree Fahrenheit [Btuth \* in / (s \* ft<sup>2</sup> \* F)]

**Value**

watt per meter kelvin [W/(m \* K)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnthInchPerSecSqrFtDegFtOwattPerMeterK(10)

---

NISTukThUnthPerCubFtTOjoulePerCubMeter

*Convert British thermal unitth per cubic foot to joule per cubic meter*

---

### **Description**

NISTukThUnthPerCubFtTOjoulePerCubMeter converts from British thermal unitth per cubic foot (Btuth/ft3) to joule per cubic meter (J/m3)

### **Usage**

NISTukThUnthPerCubFtTOjoulePerCubMeter(ukThUnthPerCubFt)

### **Arguments**

ukThUnthPerCubFt

British thermal unitth per cubic foot (Btuth/ft3)

### **Value**

joule per cubic meter (J/m3)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTukThUnthPerCubFtTOjoulePerCubMeter(10)

---

NISTukThUnthPerDegFtOjoulePerK

*Convert British thermal unitth per degree Fahrenheit to joule per kelvin*

---

### Description

NISTukThUnthPerDegFtOjoulePerK converts from British thermal unitth per degree Fahrenheit (Btuth/F) to joule per kelvin (J/K)

### Usage

NISTukThUnthPerDegFtOjoulePerK(ukThUnthPerDegF)

### Arguments

ukThUnthPerDegF

British thermal unitth per degree Fahrenheit (Btuth/F)

### Value

joule per kelvin (J/K)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthPerDegFtOjoulePerK(10)

---

NISTukThUnthPerDegRankineTOjoulePerK

*Convert British thermal unitth per degree Rankine to joule per kelvin*

---

### Description

NISTukThUnthPerDegRankineTOjoulePerK converts from British thermal unitth per degree Rankine (Btuth/R) to joule per kelvin (J/K)

### Usage

NISTukThUnthPerDegRankineTOjoulePerK(ukThUnthPerDegRankine)

### Arguments

ukThUnthPerDegRankine

British thermal unitth per degree Rankine (Btuth/R)

### Value

joule per kelvin (J/K)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthPerDegRankineTOjoulePerK(10)

---

NISTukThUnthPerHourSqrFtDegFtOwattPerSqrMeterK

*Convert British thermal unitth per hour square foot degree Fahrenheit  
to watt per square meter kelvin*

---

### Description

NISTukThUnthPerHourSqrFtDegFtOwattPerSqrMeterK converts from British thermal unitth per hour square foot degree Fahrenheit [Btuth/(h \* ft<sup>2</sup> \* F)] to watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

### Usage

NISTukThUnthPerHourSqrFtDegFtOwattPerSqrMeterK(ukThUnthPerHourSqrFtDegF)

### Arguments

ukThUnthPerHourSqrFtDegF

British thermal unitth per hour square foot degree Fahrenheit [Btuth/(h \* ft<sup>2</sup> \* F)]

### Value

watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthPerHourSqrFtDegFtOwattPerSqrMeterK(10)

---

NISTukThUnthPerHourTOwatt

*Convert British thermal unitth per hour to watt*

---

**Description**

NISTukThUnthPerHourTOwatt converts from British thermal unitth per hour (Btuth/h) to watt (W)

**Usage**

NISTukThUnthPerHourTOwatt(ukThUnthPerHour)

**Arguments**

ukThUnthPerHour

British thermal unitth per hour (Btuth/h)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnthPerHourTOwatt(10)



---

NISTukThUnthPerMinTOwatt

*Convert British thermal unitth per minute to watt*

---

**Description**

NISTukThUnthPerMinTOwatt converts from British thermal unitth per minute (Btuth/min) to watt (W)

**Usage**

NISTukThUnthPerMinTOwatt(ukThUnthPerMin)

**Arguments**

ukThUnthPerMin British thermal unitth per minute (Btuth/min)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnthPerMinTOwatt(10)

---

NISTukThUnthPerPoundDegFtOjoulePerKgK

*Convert British thermal unitth per pound degree Fahrenheit to joule per kilogram kelvin*

---

### Description

NISTukThUnthPerPoundDegFtOjoulePerKgK converts from British thermal unitth per pound degree Fahrenheit [Btuth/(lb \* F)] to joule per kilogram kelvin [J/(kg \* K)]

### Usage

NISTukThUnthPerPoundDegFtOjoulePerKgK(ukThUnthPerPoundDegF)

### Arguments

ukThUnthPerPoundDegF

British thermal unitth per pound degree Fahrenheit [Btuth/(lb \* F)]

### Value

joule per kilogram kelvin [J/(kg \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthPerPoundDegFtOjoulePerKgK(10)

---

NISTukThUnthPerPoundDegRankineTOjoulePerKgK

*Convert British thermal unitth per pound degree Rankine to joule per kilogram kelvin*

---

### Description

NISTukThUnthPerPoundDegRankineTOjoulePerKgK converts from British thermal unitth per pound degree Rankine [Btuth/(lb \* R)] to joule per kilogram kelvin [J/(kg \* K)]

### Usage

NISTukThUnthPerPoundDegRankineTOjoulePerKgK(ukThUnthPerPoundDegRankine)

### Arguments

ukThUnthPerPoundDegRankine  
British thermal unitth per pound degree Rankine [Btuth/(lb \* R)]

### Value

joule per kilogram kelvin [J/(kg \* K)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthPerPoundDegRankineTOjoulePerKgK(10)

---

NISTukThUnthPerPoundTOjoulePerKg

*Convert British thermal unith per pound to joule per kilogram*

---

### Description

NISTukThUnthPerPoundTOjoulePerKg converts from British thermal unith per pound (Btuth/lb) to joule per kilogram (J/kg)

### Usage

NISTukThUnthPerPoundTOjoulePerKg(ukThUnthPerPound)

### Arguments

ukThUnthPerPound

British thermal unith per pound (Btuth/lb)

### Value

joule per kilogram (J/kg)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthPerPoundTOjoulePerKg(10)

---

NISTukThUnthPerSecSqrFtDegFtOwattPerSqrMeterK

*Convert British thermal unitth per second square foot degree Fahrenheit to watt per square meter kelvin*

---

**Description**

NISTukThUnthPerSecSqrFtDegFtOwattPerSqrMeterK converts from British thermal unitth per second square foot degree Fahrenheit [Btuth/(s \* ft<sup>2</sup> \* F)] to watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

**Usage**

NISTukThUnthPerSecSqrFtDegFtOwattPerSqrMeterK(ukThUnthPerSecSqrFtDegF)

**Arguments**

ukThUnthPerSecSqrFtDegF

British thermal unitth per second square foot degree Fahrenheit [Btuth/(s \* ft<sup>2</sup> \* F)]

**Value**

watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnthPerSecSqrFtDegFtOwattPerSqrMeterK(10)

---

NISTukThUnthPerSecTowatt

*Convert British thermal unitth per second to watt*

---

**Description**

NISTukThUnthPerSecTowatt converts from British thermal unitth per second (Btuth/s) to watt (W)

**Usage**

NISTukThUnthPerSecTowatt(ukThUnthPerSec)

**Arguments**

ukThUnthPerSec British thermal unitth per second (Btuth/s)

**Value**

watt (W)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnthPerSecTowatt(10)

---

NISTukThUnthPerSqrFtHourTOwattPerSqrMeter

*Convert British thermal unitth per square foot hour to watt per square meter*

---

### Description

NISTukThUnthPerSqrFtHourTOwattPerSqrMeter converts from British thermal unitth per square foot hour [Btuth/(ft<sup>2</sup> \* h)] to watt per square meter (W/m<sup>2</sup>)

### Usage

NISTukThUnthPerSqrFtHourTOwattPerSqrMeter(ukThUnthPerSqrFtHour)

### Arguments

ukThUnthPerSqrFtHour  
British thermal unitth per square foot hour [Btuth/(ft<sup>2</sup> \* h)]

### Value

watt per square meter (W/m<sup>2</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthPerSqrFtHourTOwattPerSqrMeter(10)

---

NISTukThUnthPerSqrFtMinTOwattPerSqrMeter

*Convert British thermal unitth per square foot minute to watt per square meter*

---

**Description**

NISTukThUnthPerSqrFtMinTOwattPerSqrMeter converts from British thermal unitth per square foot minute [Btuth/(ft<sup>2</sup> \* min)] to watt per square meter (W/m<sup>2</sup>)

**Usage**

NISTukThUnthPerSqrFtMinTOwattPerSqrMeter(ukThUnthPerSqrFtMin)

**Arguments**

ukThUnthPerSqrFtMin  
British thermal unitth per square foot minute [Btuth/(ft<sup>2</sup> \* min)]

**Value**

watt per square meter (W/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnthPerSqrFtMinTOwattPerSqrMeter(10)



---

NISTukThUnthPerSqrFtSecTOWattPerSqrMeter

*Convert British thermal unitth per square foot second to watt per square meter*

---

### Description

NISTukThUnthPerSqrFtSecTOWattPerSqrMeter converts from British thermal unitth per square foot second [Btuth/(ft2 \* s)] to watt per square meter (W/m2)

### Usage

NISTukThUnthPerSqrFtSecTOWattPerSqrMeter(ukThUnthPerSqrFtSec)

### Arguments

ukThUnthPerSqrFtSec  
British thermal unitth per square foot second [Btuth/(ft2 \* s)]

### Value

watt per square meter (W/m2)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthPerSqrFtSecTOWattPerSqrMeter(10)

---

NISTukThUnthPerSqrFtT0joulePerSqrMeter

*Convert British thermal unitth per square foot to joule per square meter*

---

### Description

NISTukThUnthPerSqrFtT0joulePerSqrMeter converts from British thermal unitth per square foot (Btuth/ft2) to joule per square meter (J/m2)

### Usage

NISTukThUnthPerSqrFtT0joulePerSqrMeter(ukThUnthPerSqrFt)

### Arguments

ukThUnthPerSqrFt

British thermal unitth per square foot (Btuth/ft2)

### Value

joule per square meter (J/m2)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthPerSqrFtT0joulePerSqrMeter(10)

---

NISTukThUnthPerSqrInchSecTOwattPerSqrMeter

*Convert British thermal unitth per square inch second to watt per square meter*

---

### Description

NISTukThUnthPerSqrInchSecTOwattPerSqrMeter converts from British thermal unitth per square inch second [Btuth/(in<sup>2</sup> \* s)] to watt per square meter (W/m<sup>2</sup>)

### Usage

NISTukThUnthPerSqrInchSecTOwattPerSqrMeter(ukThUnthPerSqrInchSec)

### Arguments

ukThUnthPerSqrInchSec  
British thermal unitth per square inch second [Btuth/(in<sup>2</sup> \* s)]

### Value

watt per square meter (W/m<sup>2</sup>)

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTukThUnthPerSqrInchSecTOwattPerSqrMeter(10)

---

NISTukThUnthTOjoule    *Convert British thermal unitth 9 to joule*

---

**Description**

NISTukThUnthTOjoule converts from British thermal unitth (Btuth) 9 to joule (J)

**Usage**

NISTukThUnthTOjoule(ukThUnth)

**Arguments**

ukThUnth            British thermal unitth (Btuth) 9

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnthTOjoule(10)

---

NISTukThUnTOjoule      *Convert British thermal unit to joule*

---

**Description**

NISTukThUnTOjoule converts from British thermal unit (mean) (Btu) to joule (J)

**Usage**

NISTukThUnTOjoule(ukThUn)

**Arguments**

ukThUn      British thermal unit (mean) (Btu)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTukThUnTOjoule(10)

---

NISTunPoleToweber	<i>Convert unit pole to weber</i>
-------------------	-----------------------------------

---

**Description**

NISTunPoleToweber converts from unit pole to weber (Wb)

**Usage**

NISTunPoleToweber(unPole)

**Arguments**

unPole            unit pole

**Value**

weber (Wb)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTunPoleToweber(10)

---

NISTvoltTOabvolt	<i>Convert volt to abvolt</i>
------------------	-------------------------------

---

**Description**

NISTvoltTOabvolt converts from volt (V) to abvolt

**Usage**

NISTvoltTOabvolt(volt)

**Arguments**

volt	volt (V)
------	----------

**Value**

abvolt

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTvoltTOabvolt(10)

---

NISTvoltToEMUOfElectricPotential

*Convert volt to EMU of electric potential*

---

**Description**

NISTvoltToEMUOfElectricPotential converts from volt (V) to EMU of electric potential (abvolt)

**Usage**

NISTvoltToEMUOfElectricPotential(volt)

**Arguments**

volt                  volt (V)

**Value**

EMU of electric potential (abvolt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTvoltToEMUOfElectricPotential(10)



---

NISTvoltToESUOfElectricPotential

*Convert volt to ESU of electric potential*

---

**Description**

NISTvoltToESUOfElectricPotential converts from volt (V) to ESU of electric potential (statvolt)

**Usage**

NISTvoltToESUOfElectricPotential(volt)

**Arguments**

volt                  volt (V)

**Value**

ESU of electric potential (statvolt)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTvoltToESUOfElectricPotential(10)

---

NISTvoltTostatvolt      *Convert volt to statvolt*

---

**Description**

NISTvoltTostatvolt converts from volt (V) to statvolt

**Usage**

NISTvoltTostatvolt(volt)

**Arguments**

volt                  volt (V)

**Value**

statvolt

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTvoltTostatvolt(10)

---

NISTwattHourTOjoule    *Convert watt hour to joule*

---

**Description**

NISTwattHourTOjoule converts from watt hour (W \* h) to joule (J)

**Usage**

NISTwattHourTOjoule(wattHour)

**Arguments**

wattHour            watt hour (W \* h)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattHourTOjoule(10)

---

NISTwattPerMeterKtOcalthPerCmSecDegC

*Convert watt per meter kelvin to calorieth per centimeter second degree Celsius*

---

### Description

NISTwattPerMeterKtOcalthPerCmSecDegC converts from watt per meter kelvin [W/(m \* K)] to calorieth per centimeter second degree Celsius [calth/(cm \* s \* C)]

### Usage

NISTwattPerMeterKtOcalthPerCmSecDegC(wattPerMeterK)

### Arguments

wattPerMeterK watt per meter kelvin [W/(m \* K)]

### Value

calorieth per centimeter second degree Celsius [calth/(cm \* s \* C)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerMeterKtOcalthPerCmSecDegC(10)

---

NISTwattPerMeterKtOukThUnITFtPerHourSqrFtDegF

*Convert watt per meter kelvin to British thermal unitIT foot per hour square foot degree Fahrenheit*

---

### Description

NISTwattPerMeterKtOukThUnITFtPerHourSqrFtDegF converts from watt per meter kelvin [ $\text{W}/(\text{m} * \text{K})$ ] to British thermal unitIT foot per hour square foot degree Fahrenheit [ $\text{BtuIT} * \text{ft}/(\text{h} * \text{ft}^2 * \text{F})$ ]

### Usage

NISTwattPerMeterKtOukThUnITFtPerHourSqrFtDegF (wattPerMeterK)

### Arguments

wattPerMeterK    watt per meter kelvin [ $\text{W}/(\text{m} * \text{K})$ ]

### Value

British thermal unitIT foot per hour square foot degree Fahrenheit [ $\text{BtuIT} * \text{ft}/(\text{h} * \text{ft}^2 * \text{F})$ ]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerMeterKtOukThUnITFtPerHourSqrFtDegF(10)

---

NISTwattPerMeterKtOukThUnITInchPerHourSqrFtDegF

*Convert watt per meter kelvin to British thermal unitIT inch per hour square foot degree Fahrenheit*

---

### Description

NISTwattPerMeterKtOukThUnITInchPerHourSqrFtDegF converts from watt per meter kelvin [W/(m \* K)] to British thermal unitIT inch per hour square foot degree Fahrenheit [BtuIT \* in/(h \* ft<sup>2</sup> \* F)]

### Usage

NISTwattPerMeterKtOukThUnITInchPerHourSqrFtDegF(wattPerMeterK)

### Arguments

wattPerMeterK watt per meter kelvin [W/(m \* K)]

### Value

British thermal unitIT inch per hour square foot degree Fahrenheit [BtuIT \* in/(h \* ft<sup>2</sup> \* F)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerMeterKtOukThUnITInchPerHourSqrFtDegF(10)

---

NISTwattPerMeterKtOukThUnITInchPerSecSqrFtDegF

*Convert watt per meter kelvin to British thermal unitIT inch per second square foot degree Fahrenheit*

---

### Description

NISTwattPerMeterKtOukThUnITInchPerSecSqrFtDegF converts from watt per meter kelvin [W/(m \* K)] to British thermal unitIT inch per second square foot degree Fahrenheit [BtuIT \* in / (s \* ft<sup>2</sup> \* F)]

### Usage

NISTwattPerMeterKtOukThUnITInchPerSecSqrFtDegF(wattPerMeterK)

### Arguments

wattPerMeterK watt per meter kelvin [W/(m \* K)]

### Value

British thermal unitIT inch per second square foot degree Fahrenheit [BtuIT \* in / (s \* ft<sup>2</sup> \* F)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerMeterKtOukThUnITInchPerSecSqrFtDegF(10)

---

NISTwattPerMeterKtOukThUnthFtPerHourSqrFtDegF

*Convert watt per meter kelvin to British thermal unith foot per hour square foot degree Fahrenheit*

---

### Description

NISTwattPerMeterKtOukThUnthFtPerHourSqrFtDegF converts from watt per meter kelvin [ $W/(m * K)$ ] to British thermal unith foot per hour square foot degree Fahrenheit [ $Btuth * ft/(h * ft^2 * F)$ ]

### Usage

NISTwattPerMeterKtOukThUnthFtPerHourSqrFtDegF (wattPerMeterK)

### Arguments

wattPerMeterK    watt per meter kelvin [ $W/(m * K)$ ]

### Value

British thermal unith foot per hour square foot degree Fahrenheit [ $Btuth * ft/(h * ft^2 * F)$ ]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerMeterKtOukThUnthFtPerHourSqrFtDegF(10)



---

NISTwattPerMeterKtOukThUnthInchPerHourSqrFtDegF

*Convert watt per meter kelvin to British thermal unith inch per hour square foot degree Fahrenheit*

---

### Description

NISTwattPerMeterKtOukThUnthInchPerHourSqrFtDegF converts from watt per meter kelvin [ $W / (m * K)$ ] to British thermal unith inch per hour square foot degree Fahrenheit [ $Btuth * in/(h * ft^2 * F)$ ]

### Usage

NISTwattPerMeterKtOukThUnthInchPerHourSqrFtDegF(wattPerMeterK)

### Arguments

wattPerMeterK    watt per meter kelvin [ $W / (m * K)$ ]

### Value

British thermal unith inch per hour square foot degree Fahrenheit [ $Btuth * in/(h * ft^2 * F)$ ]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerMeterKtOukThUnthInchPerHourSqrFtDegF(10)

---

NISTwattPerMeterKtOukThUnthInchPerSecSqrFtDegF

*Convert watt per meter kelvin to British thermal unitth inch per second square foot degree Fahrenheit*

---

### Description

NISTwattPerMeterKtOukThUnthInchPerSecSqrFtDegF converts from watt per meter kelvin [W/(m \* K)] to British thermal unitth inch per second square foot degree Fahrenheit [Btuth \* in /(s \* ft2 \* F)]

### Usage

NISTwattPerMeterKtOukThUnthInchPerSecSqrFtDegF(wattPerMeterK)

### Arguments

wattPerMeterK watt per meter kelvin [W/(m \* K)]

### Value

British thermal unitth inch per second square foot degree Fahrenheit [Btuth \* in /(s \* ft2 \* F)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerMeterKtOukThUnthInchPerSecSqrFtDegF(10)

---

NISTwattPerSqrCmTOwattPerSqrMeter

*Convert watt per square centimeter to watt per square meter*

---

**Description**

NISTwattPerSqrCmTOwattPerSqrMeter converts from watt per square centimeter (W/cm<sup>2</sup>) to watt per square meter (W/m<sup>2</sup>)

**Usage**

NISTwattPerSqrCmTOwattPerSqrMeter(wattPerSqrCm)

**Arguments**

wattPerSqrCm    watt per square centimeter (W/cm<sup>2</sup>)

**Value**

watt per square meter (W/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattPerSqrCmTOwattPerSqrMeter(10)

---

NISTwattPerSqrInchTOwattPerSqrMeter

*Convert watt per square inch to watt per square meter*

---

**Description**

NISTwattPerSqrInchTOwattPerSqrMeter converts from watt per square inch (W/in<sup>2</sup>) to watt per square meter (W/m<sup>2</sup>)

**Usage**

NISTwattPerSqrInchTOwattPerSqrMeter(wattPerSqrInch)

**Arguments**

wattPerSqrInch watt per square inch (W/in<sup>2</sup>)

**Value**

watt per square meter (W/m<sup>2</sup>)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattPerSqrInchTOwattPerSqrMeter(10)

---

NISTwattPerSqrMeterKtOukThUnITPerHourSqrFtDegF

*Convert watt per square meter kelvin to British thermal unitIT per hour square foot degree Fahrenheit*

---

### Description

NISTwattPerSqrMeterKtOukThUnITPerHourSqrFtDegF converts from watt per square meter kelvin [W/(m<sup>2</sup> \* K)] to British thermal unitIT per hour square foot degree Fahrenheit [BtuIT/(h \* ft<sup>2</sup> \* F)]

### Usage

NISTwattPerSqrMeterKtOukThUnITPerHourSqrFtDegF(wattPerSqrMeterK)

### Arguments

wattPerSqrMeterK

watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

### Value

British thermal unitIT per hour square foot degree Fahrenheit [BtuIT/(h \* ft<sup>2</sup> \* F)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterKtOukThUnITPerHourSqrFtDegF(10)

---

NISTwattPerSqrMeterKtOukThUnITPerSecSqrFtDegF

*Convert watt per square meter kelvin to British thermal unitIT per second square foot degree Fahrenheit*

---

### Description

NISTwattPerSqrMeterKtOukThUnITPerSecSqrFtDegF converts from watt per square meter kelvin [W/(m<sup>2</sup> \* K)] to British thermal unitIT per second square foot degree Fahrenheit [BtuIT/(s \* ft<sup>2</sup> \* F)]

### Usage

NISTwattPerSqrMeterKtOukThUnITPerSecSqrFtDegF (wattPerSqrMeterK)

### Arguments

wattPerSqrMeterK

watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

### Value

British thermal unitIT per second square foot degree Fahrenheit [BtuIT/(s \* ft<sup>2</sup> \* F)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterKtOukThUnITPerSecSqrFtDegF(10)

---

NISTwattPerSqrMeterKtOukThUnthPerHourSqrFtDegF

*Convert watt per square meter kelvin to British thermal unitth per hour square foot degree Fahrenheit*

---

### Description

NISTwattPerSqrMeterKtOukThUnthPerHourSqrFtDegF converts from watt per square meter kelvin [W/(m<sup>2</sup> \* K)] to British thermal unitth per hour square foot degree Fahrenheit [Btuth/(h \* ft<sup>2</sup> \* F)]

### Usage

NISTwattPerSqrMeterKtOukThUnthPerHourSqrFtDegF(wattPerSqrMeterK)

### Arguments

wattPerSqrMeterK

watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

### Value

British thermal unitth per hour square foot degree Fahrenheit [Btuth/(h \* ft<sup>2</sup> \* F)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterKtOukThUnthPerHourSqrFtDegF(10)

---

NISTwattPerSqrMeterKtOukThUnthPerSecSqrFtDegF

*Convert watt per square meter kelvin to British thermal unith per second square foot degree Fahrenheit*

---

### Description

NISTwattPerSqrMeterKtOukThUnthPerSecSqrFtDegF converts from watt per square meter kelvin [W/(m<sup>2</sup> \* K)] to British thermal unith per second square foot degree Fahrenheit [Btuth/(s \* ft<sup>2</sup> \* F)]

### Usage

NISTwattPerSqrMeterKtOukThUnthPerSecSqrFtDegF (wattPerSqrMeterK)

### Arguments

wattPerSqrMeterK

watt per square meter kelvin [W/(m<sup>2</sup> \* K)]

### Value

British thermal unith per second square foot degree Fahrenheit [Btuth/(s \* ft<sup>2</sup> \* F)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterKtOukThUnthPerSecSqrFtDegF(10)



---

NISTwattPerSqrMeterTOcalthPerSqrCmMin

*Convert watt per square meter to calorieth per square centimeter minute*

---

### Description

NISTwattPerSqrMeterTOcalthPerSqrCmMin converts from watt per square meter (W/m<sup>2</sup>) to calorieth per square centimeter minute [calth/(cm<sup>2</sup> \* min)]

### Usage

NISTwattPerSqrMeterTOcalthPerSqrCmMin(wattPerSqrMeter)

### Arguments

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

### Value

calorieth per square centimeter minute [calth/(cm<sup>2</sup> \* min)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterTOcalthPerSqrCmMin(10)

---

NISTwattPerSqrMeterTOcalthPerSqrCmSec

*Convert watt per square meter to calorieth per square centimeter second*

---

### Description

NISTwattPerSqrMeterTOcalthPerSqrCmSec converts from watt per square meter (W/m<sup>2</sup>) to calorieth per square centimeter second [calth/(cm<sup>2</sup> \* s)]

### Usage

NISTwattPerSqrMeterTOcalthPerSqrCmSec(wattPerSqrMeter)

### Arguments

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

### Value

calorieth per square centimeter second [calth/(cm<sup>2</sup> \* s)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterTOcalthPerSqrCmSec(10)

---

NISTwattPerSqrMeterTOergPerSqrCmSec

*Convert watt per square meter to erg per square centimeter second*

---

**Description**

NISTwattPerSqrMeterTOergPerSqrCmSec converts from watt per square meter (W/m<sup>2</sup>) to erg per square centimeter second [erg/(cm<sup>2</sup> \* s)]

**Usage**

NISTwattPerSqrMeterTOergPerSqrCmSec(wattPerSqrMeter)

**Arguments**

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

**Value**

erg per square centimeter second [erg/(cm<sup>2</sup> \* s)]

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattPerSqrMeterTOergPerSqrCmSec(10)

---

NISTwattPerSqrMeterTOukThUnITPerSqrFtHour

*Convert watt per square meter to British thermal unitIT per square foot hour*

---

### Description

NISTwattPerSqrMeterTOukThUnITPerSqrFtHour converts from watt per square meter (W/m<sup>2</sup>) to British thermal unitIT per square foot hour [BtuIT/(ft<sup>2</sup> \* h)]

### Usage

NISTwattPerSqrMeterTOukThUnITPerSqrFtHour(wattPerSqrMeter)

### Arguments

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

### Value

British thermal unitIT per square foot hour [BtuIT/(ft<sup>2</sup> \* h)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterTOukThUnITPerSqrFtHour(10)

---

NISTwattPerSqrMeterTOukThUnITPerSqrFtSec

*Convert watt per square meter to British thermal unitIT per square foot second*

---

### **Description**

NISTwattPerSqrMeterTOukThUnITPerSqrFtSec converts from watt per square meter (W/m<sup>2</sup>) to British thermal unitIT per square foot second [BtuIT/(ft<sup>2</sup> \* s)]

### **Usage**

NISTwattPerSqrMeterTOukThUnITPerSqrFtSec(wattPerSqrMeter)

### **Arguments**

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

### **Value**

British thermal unitIT per square foot second [BtuIT/(ft<sup>2</sup> \* s)]

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTwattPerSqrMeterTOukThUnITPerSqrFtSec(10)

---

NISTwattPerSqrMeterTOukThUnthPerSqrFtHour

*Convert watt per square meter to British thermal unitth per square foot hour*

---

### Description

NISTwattPerSqrMeterTOukThUnthPerSqrFtHour converts from watt per square meter (W/m<sup>2</sup>) to British thermal unitth per square foot hour [Btuth/(ft<sup>2</sup> \* h)]

### Usage

NISTwattPerSqrMeterTOukThUnthPerSqrFtHour(wattPerSqrMeter)

### Arguments

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

### Value

British thermal unitth per square foot hour [Btuth/(ft<sup>2</sup> \* h)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterTOukThUnthPerSqrFtHour(10)

---

NISTwattPerSqrMeterTOukThUnthPerSqrFtMin

*Convert watt per square meter to British thermal unitth per square foot minute*

---

### Description

NISTwattPerSqrMeterTOukThUnthPerSqrFtMin converts from watt per square meter (W/m<sup>2</sup>) to British thermal unitth per square foot minute [Btuth/(ft<sup>2</sup> \* min)]

### Usage

NISTwattPerSqrMeterTOukThUnthPerSqrFtMin(wattPerSqrMeter)

### Arguments

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

### Value

British thermal unitth per square foot minute [Btuth/(ft<sup>2</sup> \* min)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterTOukThUnthPerSqrFtMin(10)

---

NISTwattPerSqrMeterTOukThUnthPerSqrFtSec

*Convert watt per square meter to British thermal unitth per square foot second*

---

### Description

NISTwattPerSqrMeterTOukThUnthPerSqrFtSec converts from watt per square meter (W/m<sup>2</sup>) to British thermal unitth per square foot second [Btuth/(ft<sup>2</sup> \* s)]

### Usage

NISTwattPerSqrMeterTOukThUnthPerSqrFtSec(wattPerSqrMeter)

### Arguments

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

### Value

British thermal unitth per square foot second [Btuth/(ft<sup>2</sup> \* s)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterTOukThUnthPerSqrFtSec(10)



---

NISTwattPerSqrMeterTOukThUnthPerSqrInchSec

*Convert watt per square meter to British thermal unitth per square inch second*

---

### Description

NISTwattPerSqrMeterTOukThUnthPerSqrInchSec converts from watt per square meter (W/m<sup>2</sup>) to British thermal unitth per square inch second [Btuth/(in<sup>2</sup> \* s)]

### Usage

NISTwattPerSqrMeterTOukThUnthPerSqrInchSec(wattPerSqrMeter)

### Arguments

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

### Value

British thermal unitth per square inch second [Btuth/(in<sup>2</sup> \* s)]

### Author(s)

Jose Gama

### Source

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### References

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### Examples

NISTwattPerSqrMeterTOukThUnthPerSqrInchSec(10)

---

NISTwattPerSqrMeterTOwattPerSqrCm

*Convert watt per square meter to watt per square centimeter*

---

### **Description**

NISTwattPerSqrMeterTOwattPerSqrCm converts from watt per square meter (W/m<sup>2</sup>) to watt per square centimeter (W/cm<sup>2</sup>)

### **Usage**

NISTwattPerSqrMeterTOwattPerSqrCm(wattPerSqrMeter)

### **Arguments**

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

### **Value**

watt per square centimeter (W/cm<sup>2</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTwattPerSqrMeterTOwattPerSqrCm(10)

---

NISTwattPerSqrMeterTOwattPerSqrInch

*Convert watt per square meter to watt per square inch*

---

### **Description**

NISTwattPerSqrMeterTOwattPerSqrInch converts from watt per square meter (W/m<sup>2</sup>) to watt per square inch (W/in<sup>2</sup>)

### **Usage**

NISTwattPerSqrMeterTOwattPerSqrInch(wattPerSqrMeter)

### **Arguments**

wattPerSqrMeter  
watt per square meter (W/m<sup>2</sup>)

### **Value**

watt per square inch (W/in<sup>2</sup>)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTwattPerSqrMeterTOwattPerSqrInch(10)

---

NISTwattSecTOjoule      *Convert watt second to joule*

---

**Description**

NISTwattSecTOjoule converts from watt second (W \* s) to joule (J)

**Usage**

NISTwattSecTOjoule(wattSec)

**Arguments**

wattSec              watt second (W \* s)

**Value**

joule (J)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattSecTOjoule(10)

---

NISTwattTOcalthPerMin *Convert watt to calorieth per minute*

---

**Description**

NISTwattTOcalthPerMin converts from watt (W) to calorieth per minute (calth/min)

**Usage**

NISTwattTOcalthPerMin(watt)

**Arguments**

watt                  watt (W)

**Value**

calorieth per minute (calth/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOcalthPerMin(10)

---

NISTwattTOcalthPerSec *Convert watt to calorieth per second*

---

**Description**

NISTwattTOcalthPerSec converts from watt (W) to calorieth per second (calth/s)

**Usage**

NISTwattTOcalthPerSec(watt)

**Arguments**

watt                  watt (W)

**Value**

calorieth per second (calth/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOcalthPerSec(10)

---

NISTwattTOergPerSec    *Convert watt to erg per second*

---

**Description**

NISTwattTOergPerSec converts from watt (W) to erg per second (erg/s)

**Usage**

NISTwattTOergPerSec(watt)

**Arguments**

watt                  watt (W)

**Value**

erg per second (erg/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOergPerSec(10)

---

NISTwattTOftPoundForcePerHour

*Convert watt to foot pound-force per hour*

---

**Description**

NISTwattTOftPoundForcePerHour converts from watt (W) to foot pound-force per hour (ft \* lbf/h)

**Usage**

NISTwattTOftPoundForcePerHour(watt)

**Arguments**

watt                  watt (W)

**Value**

foot pound-force per hour (ft \* lbf/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOftPoundForcePerHour(10)



---

NISTwattTOftPoundForcePerMin

*Convert watt to foot pound-force per minute*

---

**Description**

NISTwattTOftPoundForcePerMin converts from watt (W) to foot pound-force per minute (ft \* lbf/min)

**Usage**

NISTwattTOftPoundForcePerMin(watt)

**Arguments**

watt                  watt (W)

**Value**

foot pound-force per minute (ft \* lbf/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOftPoundForcePerMin(10)

---

NISTwattTOftPoundForcePerSec

*Convert watt to foot pound-force per second*

---

**Description**

NISTwattTOftPoundForcePerSec converts from watt (W) to foot pound-force per second (ft \* lbf/s)

**Usage**

NISTwattTOftPoundForcePerSec(watt)

**Arguments**

watt                  watt (W)

**Value**

foot pound-force per second (ft \* lbf/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOftPoundForcePerSec(10)

---

NISTwattTOhorsepower *Convert watt to horsepower*

---

**Description**

NISTwattTOhorsepower converts from watt (W) to horsepower (550 ft \* lbf/s) (hp)

**Usage**

NISTwattTOhorsepower(watt)

**Arguments**

watt                  watt (W)

**Value**

horsepower (550 ft \* lbf/s) (hp)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOhorsepower(10)

---

NISTwattTOhorsepowerBoiler

*Convert watt to horsepower*

---

### **Description**

NISTwattTOhorsepowerBoiler converts from watt (W) to horsepower (boiler)

### **Usage**

NISTwattTOhorsepowerBoiler(watt)

### **Arguments**

watt                  watt (W)

### **Value**

horsepower (boiler)

### **Author(s)**

Jose Gama

### **Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

### **Examples**

NISTwattTOhorsepowerBoiler(10)

---

NISTwattTOhorsepowerElectric  
*Convert watt to horsepower*

---

**Description**

NISTwattTOhorsepowerElectric converts from watt (W) to horsepower (electric)

**Usage**

NISTwattTOhorsepowerElectric(watt)

**Arguments**

watt	watt (W)
------	----------

**Value**

horsepower (electric)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOhorsepowerElectric(10)

---

NISTwattTOhorsepowerImperial  
*Convert watt to horsepower*

---

**Description**

NISTwattTOhorsepowerImperial converts from watt (W) to horsepower (U.K.)

**Usage**

NISTwattTOhorsepowerImperial(watt)

**Arguments**

watt	watt (W)
------	----------

**Value**

horsepower (U.K.)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOhorsepowerImperial(10)

---

NISTwattTOhorsepowerSI

*Convert watt to horsepower*

---

**Description**

NISTwattTOhorsepowerSI converts from watt (W) to horsepower (metric)

**Usage**

NISTwattTOhorsepowerSI(watt)

**Arguments**

watt	watt (W)
------	----------

**Value**

horsepower (metric)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOhorsepowerSI(10)

---

NISTwattTOhorsepowerWater

*Convert watt to horsepower*

---

**Description**

NISTwattTOhorsepowerWater converts from watt (W) to horsepower (water)

**Usage**

NISTwattTOhorsepowerWater(watt)

**Arguments**

watt                  watt (W)

**Value**

horsepower (water)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOhorsepowerWater(10)



---

NISTwattTOkilocalthPerMin

*Convert watt to kilocalorieth per minute*

---

**Description**

NISTwattTOkilocalthPerMin converts from watt (W) to kilocalorieth per minute (kcalth/min)

**Usage**

NISTwattTOkilocalthPerMin(watt)

**Arguments**

watt	watt (W)
------	----------

**Value**

kilocalorieth per minute (kcalth/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOkilocalthPerMin(10)

---

NISTwattTOkilocalthPerSec

*Convert watt to kilocalorieth per second*

---

**Description**

NISTwattTOkilocalthPerSec converts from watt (W) to kilocalorieth per second (kcalth/s)

**Usage**

NISTwattTOkilocalthPerSec(watt)

**Arguments**

watt	watt (W)
------	----------

**Value**

kilocalorieth per second (kcalth/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOkilocalthPerSec(10)

---

NISTwattTOtonOfRefrigeration

*Convert watt to ton of refrigeration*

---

**Description**

NISTwattTOtonOfRefrigeration converts from watt (W) to ton of refrigeration (12 000 BtuIT/h)

**Usage**

NISTwattTOtonOfRefrigeration(watt)

**Arguments**

watt	watt (W)
------	----------

**Value**

ton of refrigeration (12 000 BtuIT/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOtonOfRefrigeration(10)

---

NISTwattTOukThUnITPerHour

*Convert watt to British thermal unitIT per hour*

---

**Description**

NISTwattTOukThUnITPerHour converts from watt (W) to British thermal unitIT per hour (BtuIT/h)

**Usage**

NISTwattTOukThUnITPerHour(watt)

**Arguments**

watt	watt (W)
------	----------

**Value**

British thermal unitIT per hour (BtuIT/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOukThUnITPerHour(10)

---

NISTwattTOukThUnITPerSec

*Convert watt to British thermal unitIT per second*

---

**Description**

NISTwattTOukThUnITPerSec converts from watt (W) to British thermal unitIT per second (BtuIT/s)

**Usage**

NISTwattTOukThUnITPerSec(watt)

**Arguments**

watt                  watt (W)

**Value**

British thermal unitIT per second (BtuIT/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOukThUnITPerSec(10)

---

NISTwattTOukThUnthPerHour

*Convert watt to British thermal unitth per hour*

---

**Description**

NISTwattTOukThUnthPerHour converts from watt (W) to British thermal unitth per hour (Btuth/h)

**Usage**

NISTwattTOukThUnthPerHour(watt)

**Arguments**

watt	watt (W)
------	----------

**Value**

British thermal unitth per hour (Btuth/h)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOukThUnthPerHour(10)

---

NISTwattTOukThUnthPerMin

*Convert watt to British thermal unitth per minute*

---

**Description**

NISTwattTOukThUnthPerMin converts from watt (W) to British thermal unitth per minute (Btuth/min)

**Usage**

NISTwattTOukThUnthPerMin(watt)

**Arguments**

watt                  watt (W)

**Value**

British thermal unitth per minute (Btuth/min)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOukThUnthPerMin(10)

---

NISTwattTOukThUnthPerSec

*Convert watt to British thermal unitth per second*

---

**Description**

NISTwattTOukThUnthPerSec converts from watt (W) to British thermal unitth per second (Btuth/s)

**Usage**

NISTwattTOukThUnthPerSec(watt)

**Arguments**

watt                  watt (W)

**Value**

British thermal unitth per second (Btuth/s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTwattTOukThUnthPerSec(10)



---

NISTweberTOMaxwell      *Convert weber to maxwell*

---

**Description**

NISTweberTOMaxwell converts from weber (Wb) to maxwell (Mx)

**Usage**

NISTweberTOMaxwell(weber)

**Arguments**

weber                  weber (Wb)

**Value**

maxwell (Mx)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTweberTOMaxwell(10)

---

NISTweberTOunPole	<i>Convert weber to unit pole</i>
-------------------	-----------------------------------

---

**Description**

NISTweberTOunPole converts from weber (Wb) to unit pole

**Usage**

NISTweberTOunPole(weber)

**Arguments**

weber	weber (Wb)
-------	------------

**Value**

unit pole

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTweberTOunPole(10)

---

NISTyardTOMeter	<i>Convert yard to meter</i>
-----------------	------------------------------

---

**Description**

NISTyardTOMeter converts from yard (yd) to meter (m)

**Usage**

NISTyardTOMeter(yard)

**Arguments**

yard            yard (yd)

**Value**

meter (m)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTyardTOMeter(10)

---

NISTyearSiderealTOsec *Convert year to second*

---

**Description**

NISTyearSiderealTOsec converts from year (sidereal) to second (s)

**Usage**

NISTyearSiderealTOsec(yearSidereal)

**Arguments**

yearSidereal    year (sidereal)

**Value**

second (s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTyearSiderealTOsec(10)

---

NISTyearT0sec	<i>Convert year to second</i>
---------------	-------------------------------

---

**Description**

NISTyearT0sec converts from year (365 days) to second (s)

**Usage**

NISTyearT0sec(year)

**Arguments**

year            year (365 days)

**Value**

second (s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTyearT0sec(10)

---

NISTyearTropicalT0sec *Convert year to second*

---

**Description**

NISTyearTropicalT0sec converts from year (tropical) to second (s)

**Usage**

NISTyearTropicalT0sec(yearTropical)

**Arguments**

yearTropical    year (tropical)

**Value**

second (s)

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

NISTyearTropicalT0sec(10)

---

ShortenLongNames      *Shorten long names for physical constants*

---

**Description**

ShortenLongNames shortens long names for physical constants because of the possible error with paths over 100 characters long

**Usage**

ShortenLongNames(s)

**Arguments**

s                      string with the physical constants names'

**Value**

short string

**Author(s)**

Jose Gama

**Examples**

ShortenLongNames('degree Fahrenheit hour square foot per British thermal unitth inch')

---

ShortenTitles              *Shorten titles for factor help files*

---

**Description**

ShortenTitles shortens the titles for factor help files by removing info on parenthesis

**Usage**

ShortenTitles(s)

**Arguments**

s                      string with the factor name

**Value**

short string

**Author(s)**

Jose Gama

**Examples**

```
ShortenTitles('degree Fahrenheit (something long here)')
```

---

tableNIST2010

*Fundamental Physical Constants*


---

**Description**

tableNIST2010 is a table with the names, values, uncertainty and units for Fundamental Physical Constants.

**Usage**

```
tableNIST2010
```

**Format**

This data frame contains the following columns:

**Quantity** Fundamental Physical Constant name

**Value** Fundamental Physical Constant value

**Uncertainty** Uncertainty of Fundamental Physical Constant value

**Unit** Fundamental Physical Constant units

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

```
data(tableNIST2010)
str(tableNIST2010)
```



---

tableNISTfactors	<i>Factors for Unit Conversion</i>
------------------	------------------------------------

---

**Description**

tableNISTfactors is a table with the factors for converting between physical units.

**Usage**

```
tableNISTfactors
```

**Format**

This data frame contains the following columns:

**convert.from** source unit

**convert.to** destination unit

**multiply.by** factor

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

```
data(tableNISTfactors)  
str(tableNISTfactors)
```

---

tableNISTnonSI	<i>Fundamental Physical Constants non-SI</i>
----------------	--

---

**Description**

tableNISTnonSI is a table with the names, values, uncertainty and units for Fundamental Physical Constants non-SI.

**Usage**

```
tableNISTnonSI
```

**Format**

This data frame contains the following columns:

**Quantity** Fundamental Physical Constant name

**Formula.latex** units in LaTeX formula format

**Value** Fundamental Physical Constant value

**Standard.uncertainty** Standard uncertainty of Fundamental Physical Constant value

**Relative.standard.uncertainty** Relative standard uncertainty of Fundamental Physical Constant value

**Concise.form** Fundamental Physical Constant in concise form

**Unit** Fundamental Physical Constant units

**Author(s)**

Jose Gama

**Source**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**References**

National Institute of Standards and Technology (NIST), 2014 NIST Guide to SI Units B.8 Factors for Units Listed Alphabetically <http://physics.nist.gov/Pubs/SP811/appenB8.html>

**Examples**

```
data(tableNISTnonSI)
str(tableNISTnonSI)
```

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