Conversion factors

1 Å = 1×10^{-10} m
1 Btu = $1.054 \times 10^{+3}$ J
1 Btu = 252 cal
1 Cal = $1 \times 10^{+3}$ cal
1 Hg = 1.316 atm
1 J = 0.2389 cal
1 J = 0.738 ftlb
1 J = $1 \times 10^{+7}$ erg
1 J = 2.778×10^{-7} kWh
1 J = $6.242 \times 10^{+18}$ eV
1 J = 9.488×10^{-4} Btu
1 N = 0.2248 lb
1 N = $1 \times 10^{+5}$ dyne
1 Pa = 9.872×10^{-6} atm
1 W = 1.34×10^{-3} hp
1 atm = .760 Hg
1 atm = $1.013 \times 10^{+5}$ Pa
1 cal = 1×10^{-3} Cal
1 cal = 3.968×10^{-3} Btu
1 cal = 4.186 J
1 cm = 0.4082 in
1 cm^3 = 1×10^{-3} liter
1 day = $1.44 \times 10^{+3}$ min
1 day = 2.74×10^{-3} year
1 day = 24 h
1 day = $8.64 \times 10^{+4}$ s
1 deg = 0.01745329252 rad
1 deg = $2.777777778 \times 10^{-3}$ rev
1 dyne = 1×10^{-5} N
1 dyne = $4.448 \times 10^{+5}$ lb
1 eV = 1.0735×10^{-9} u
1 eV = 1.602×10^{-19} J
1 erg = 1×10^{-7} J
1 gal = 0.1337 ft^3
1 gal = 231 in^3
1 gal = 3.786 liter
1 h = 1.141×10^{-4} year
1 h = 3600 s
1 h = 4.167×10^{-2} day
1 h = 60 min
1 hp = .746 kW
1 hp = 746 W
1 in = 2.54×10^{-2} m
1 in = 2.54 cm
1 in = 8.333×10^{-02} ft
1 in^3 = 4.33×10^{-3} gal
1 kW = 1.34 hp
1 kWh = $3.6 \times 10^{+6}$ J
1 kg = 1×10^{-3} t
1 kg = $6.024 \times 10^{+26}$ u
1 kg = 6.854×10^{-02} slug
1 km = 0.6215 mi
1 lb = 2.248×10^{-6} dyne
1 lb = 4.448 N
1 liter = 0.0353 ft^3
1 liter = 0.264 gal
1 liter = 1×10^{-3} m^3
1 liter = $1 \times 10^{+3}$ cm^3
1 liter = 1.0576 qt
1 m = 1×10^{10} Å
1 m = 1.0936 yd
1 m = 3.281 ft
1 m = 39.37 in
1 m = 0.0006215 mi
1 m^3 = $1 \times 10^{+3}$ liter
1 mi = 1.609 km
1 mi = 1609.0 m
1 mi = 5280 ft
1 min = 1.666667×10^{-2} h
1 min = 1.901×10^{-6} year
1 min = 6.944×10^{-4} day
1 min = 60 s
1 qt = 0.9455 liter
1 rad = 0.1591549431 rev
1 rad = 57.29577951 deg
1 rev = 360 deg
1 rev = 6.283185308 rad
1 s = 1.157×10^{-5} day
1 s = 1.666667×10^{-2} min
1 s = 2.777778×10^{-4} h
1 s = 3.16×10^{-8} year
1 slug = 14.59 kg
1 t = $1 \times 10^{+3}$ kg
1 u = 1.66×10^{-27} kg
1 u = $931.5 \times 10^{+6}$ eV
1 yd = 0.9144 m
1 yd = 3 ft
1 year = $3.16 \times 10^{+7}$ s
1 year = 365.25636 day
1 year = $5.259 \times 10^{+5}$ min
1 year = $8.766 \times 10^{+3}$ h
1 ft = 0.3048 m
1 ft = 0.333333 yd
1 ft = 1.894×10^{-4} mi
1 ft = 12 in
1 ft^3 = 28.33 liter
1 ft^3 = 7.481 gal
1 ftlb = 1.355 J