METRIC CONVERSION CHARTS

To Convert From	To	Multiply By
Angle		
degree	radian (rad)	1.745329×10^{-2}
radian (rad)	degree	$5.729578 \times 10^{+1}$
Area		
foot^2	square meter (m^2)	9.290304×10^{-2}
inch^2	square meter (m^2)	6.451600×10^{-4}
circular mil	square meter (m^2)	5.067075×10^{-10}
sq. centimeter (cm^2)	square inch (in^2)	1.550003×10^{-1}
square meter (m^2)	foot^2	$1.076391 \times 10^{+1}$
square meter (m^2)	inch^2	$1.550003 \times 10^{+3}$
square meter (m^2)	circular mil	$1.973525 \times 10^{+9}$
Temperature		
degree Fahrenheit	degree Celsius	$t^{\circ}C = (t^{\circ}F - 32) / 1.8$
degree Celsius	degree Fahrenheit	$t^{\circ}F = 1.8\ t^{\circ}C + 32$
Force		
pounds-force (lbf)	newtons (N)	4.448222

To Convert From	To	Multiply By
Length		
foot (ft)	meter (m)	3.048000×10^{-1}
inch (in)	meter (m)	2.540000×10^{-2}
mil	meter (m)	2.540000×10^{-5}
inch (in)	micrometer (µm)	$2.540000 \times 10^{+4}$
meter (m)	foot (ft)	3.280840
meter (m)	inch (in)	$3.937008 \times 10^{+1}$
meter (m)	mil	$3.937008 \times 10^{+4}$
micrometer (µm)	inch (in)	3.937008×10^{-5}
Volume		
foot^3	cubic meter (m^3)	2.831685×10^{-2}
inch^3	cubic meter (m^3)	1.638706×10^{-5}
cubic centimeter (cm^3)	cubic inch (in^3)	6.102374×10^{-2}
cubic meter (m^3)	foot^3	$3.531466 \times 10^{+1}$
cubic meter (m^3)	inch^3	$6.102376 \times 10^{+4}$
gallon (U.S. liquid)	cubic meter (m^3)	3.785412×10^{-3}

To Convert From	To	Multiply By
Bending Moment or Torque		
lbf•ft	newton meter (N•m)	1.355818
lbf•in	newton meter (N•m)	1.129848×10^{-1}
N•m	lbf•ft	7.375621×10^{-1}
N•m	lbf•in	8.850748
Mass		
pound (avoirdupois)	kilogram (kg)	4.535924×10^{-1}
kilogram (kg)	pound (avoirdupois)	2.204622
Mass Per Unit Length		
lb/ft	kilogram per meter (kg/m)	1.488164
lb/in	kilogram per meter (kg/m)	$1.785797 \times 10^{+1}$
kg/m	lb/ft	6.719689×10^{-1}
kg/m	lb/in	5.599741×10^{-2}
Mass Per Unit Volume		
lb/ft^3	kilogram per cubic meter (kg/m^3)	$1.601846 \times 10^{+1}$
lb/in^3	kilogram per cubic meter (kg/m^3)	$2.767990 \times 10^{+4}$
kg/m^3	lb/ft^3	6.242797×10^{-2}
kg/m^3	lb/in^3	3.612730×10^{-5}
lbs/ft^3	lbs/in^3	$1.728000 \times 10^{+3}$
Mass Per Area Unit		
lb/ft^2	kilogram per square meter (kg/m^2)	4.882428
kg/m^2	pound per square foot (lb/ft^2)	2.048161×10^{-1}
Pressure or Stress		
lbf/in^2 (psi)	pascal (Pa)	$6.894757 \times 10^{+3}$
kip/in^2 (ksi)	pascal (Pa)	$6.894757 \times 10^{+6}$
lbf/in^2 (psi)	megapascals (MPa)	6.894757×10^{-3}
pascal (Pa)	pound force per sq. inch (psi)	1.450377×10^{-4}
pascal (Pa)	kip per sq. inch (ksi)	1.450377×10^{-7}

B-Line

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