

SIUNITS

Hpunits: choose box with all built in units (0.1s)	<div>HP units</div> <div> a-Metre+area A-Mperre+electric cur A-Mingstron+length acre+Mre+area archin+Minute of arc+ arcs+Second of arc+pl atm+Atmosphere+pressu au+Astronomical unit+ </div>	<div>HP units</div> <div> W-Matt+power Mb+Meber+Magnetic Flu yd+Int'l yard+length yd^2+Square yard+area yd^3+Cubic yard+volu yr+Year+time °+Degree+planar angle Ω+Ohm+Electric resist </div>
derived SI-Units	<div>GRAPH</div> <div>CANCEL OK</div>	<div>GRAPH</div> <div>CANCEL OK</div>
OK shows info	<div>8 Ohm electric resistance</div>	<div>1 Ω 1_Ω</div>
and puts copy to stack	<div>GRAPH</div> <div>CANCEL OK</div>	<div>HPUnits Stack [Ubase][Ubucl][Udera][Conus]</div>
basic SI-units (0.1s)	<div>basic SI-units:</div> <div> s_m length_Meter M_kg Mass_Kilogram t_s time_Seconds I_A electric current_Ampere T_K temperature_Kelvin n_mol substance_Mole J_cd luminous intensity_Candela </div>	<div>derived SI-units:</div> <div> °_r angle_Radian S_sr solid angle_Sterad F_Hz frequency_Hertz F_N Force_Newton p_Pa pressure_Pascal W_J work,energy_Joule P_W power_Watt Q_C electric charge_Coulomb U_V electric potential_Volt R_Ω resistance_Ohm </div>
derived SI-Units	<div>GRAPH</div> <div>CANCEL OK</div>	<div>GRAPH</div> <div>CANCEL OK</div>
derived SI-Units	<div>U_V electric potential_Volt R_Ω resistance_Ohm G_S conductivity_Sievers C_F capacitance_Farad Wb magnetic flux_Weber L_H inductance_Henry B_T magnetic field_Tesla lm luminous flux_Lumen lx illuminance_Lux Bq activity_Becquerel Gy absorbed dose_Gray Sv doseequivalent_Sievert</div>	<div>Light</div> <div> lum.intensity_cd: IL lum.flux_lm: 'PL=∫(0,0, lum.dens._cd/m^2: 'LL= illuminance_lx: 'E=300 </div>
light relations (0.1s)	<div>GRAPH</div> <div>CANCEL OK</div>	<div>GRAPH</div> <div>CANCEL OK</div>
mechanical quantities	<div>Mechanical</div> <div> frequency_Hz: 'f=1/T' velocity_m/s: 'u=Δt/s' acceleration_m/s^2: 'a=Δt/s' ang.velocity_r/s: 'ω=Δt/s' ang.acc._r/s^2: 'α=Δt/s' density_kg/m^3: 'ρ=M/V' Force_N: 'F=ma' Mom.of.inertia_kg/m^2 </div>	<div>5: frequency_Hz: (f=1/T)</div> <div>4: velocity_m/s: (u=Δt/s)</div> <div>3: acceleration_m/s^2: (a=Δt/s)</div> <div>2: ang.velocity_r/s: (ω=Δt/s)</div> <div>1: ang.acc._r/s^2: (α=Δt/s)</div>
some equations	<div>GRAPH</div> <div>CANCEL OK</div>	<div>PrefaSI Sys Mech Elmag Therm Light</div>
electromagnetic quantities	<div>Elektromagnetic</div> <div> el.charge_C: 'Q=I(Δt)' el.pot._V: 'U=M/Q' el.field_V/m: 'E=F/Q' resistance_Ω: 'R=U/I' conduct._S: 'G=1/R' spec.res._Ωm: 'ρ=RxA' spec.cond._1/(Ωm): 'σ=1/ρ' capacity_F: 'C=Q/U' </div>	<div>5: el.charge_C: (Q=∫ I(t) dt)</div> <div>4: el.pot._V: (U=M/Q)</div> <div>3: el.field_V/m: (E=F/Q)</div> <div>2: resistance_Ω: (R=U/I)</div> <div>1: conduct._S: (G=1/R)</div>
some equations	<div>GRAPH</div> <div>CANCEL OK</div>	<div>PrefaSI Sys Mech Elmag Therm Light</div>
thermodynamic quantities	<div>Thermodynamic</div> <div> heat_J: 'Q=M' cap.heat_J/K: 'C=ΔT/Q' spec.heat_J/(K*kg): 'c=ΔT/Q' ther.cond._W/(K*m): 'κ=ΔT/Q' entropy_J/K: 'S=ΔT/Q' inner energy_J: 'U=F/V' free energy_J: 'F=U-T' enthalpy_J: 'H=U+p*V' </div>	<div>6: spec.heat_J/(K*kg): (c=1/M * ΔT/Q)</div> <div>5: entropy_J/K: (S=ΔT/Q)</div> <div>4: inner energy_J: (U=F/V)</div> <div>3: free energy_J: (F=U-T)</div> <div>2: enthalpy_J: (H=U+p*V)</div> <div>1: free enthalpy_J: (G=H-T*S)</div>
some equations	<div>GRAPH</div> <div>CANCEL OK</div>	<div>PrefaSI Sys Mech Elmag Therm Light</div>
light related quantities	<div>Light</div> <div> lum.intensity_cd: IL lum.flux_lm: 'PL=∫(0,0, lum.dens._cd/m^2: 'LL= illuminance_lx: 'E=300 </div>	<div>6: lum.intensity_cd: IL</div> <div>4: lum.flux_lm: (PL=∫ I(Δt) dt)</div> <div>3: lum.dens._cd/m^2: (LL=1/(cos(θ) * Δt))</div> <div>2: illuminance_lx: (E=300 * (PL(A) * C))</div> <div>1: illuminance_lx: (E=300 * (PL(A) * C))</div>
some equations	<div>GRAPH</div> <div>CANCEL OK</div>	<div>Light Nucl HelpS CST</div>

nuclear quantities	<div> <div>nuclear</div> <div> decayconst._1/s: 'λd=- decaytime._s: 'T5=Lh(2) activity._Bq: 'A=λt(N(t) absorb.dose_J/kg: 'Da= eq.dose._S: 'De=q×h×D' cross-sect._m^2: 'σc=- </div> </div>	6: 5: decayconst._1/s: $\left\{ \lambda d = -\frac{1}{n} \cdot \frac{\partial}{\partial t} (N(t)) \right.$ 4: decaytime._s: $\left\{ T5 = \frac{Ln(2)}{\lambda d} \right.$ 3: activity._Bq: $\left\{ A = \frac{\partial}{\partial t} (N(t)) \right.$ 2: absorb.dose_J/kg: $\left\{ Da = \frac{H}{H} \right.$ 1: eq.dose._S: $\left\{ De = q \cdot h \cdot D \right.$
some equations		Light Nucl Help CST
kgxM,GeV: kg to GeV/c^2 conversion (0.2s)	5: 4: 'mP' 3: mP:(2.17644E-8_kg) 2: 1.220892771E19_ $\frac{GeV}{c^2}$ 1: 1.220892771E22_ $\frac{MeV}{c^2}$	5: 4: me: $\left\{ .51099892_ \frac{MeV}{c^2} \right.$ 3: 9.1093871239E-31_kg 2: mp: $\left\{ 938.272013_ \frac{MeV}{c^2} \right.$ 1: 1.6726225163E-27_kg
kgxM,GeV MeV/c^2 to kg	+Unit kgxMe kgxGeV JxGeV S+ex SI+U	+Unit kgxMe kgxGeV JxGeV S+ex SI+U
JxGeV: Joule to GeV (0.1s)	5: 4: 3: 2: 1:	y yotta 1E24 d deci 1E-1 Z zeta 1E21 c centi 1E-2 E exa 1E18 h milli 1E-3 P peta 1E15 μ micro 1E-6 T tera 1E12 n nano 1E-9 G giga 1E9 p pico 1E-12 M mega 1E6 f femto 1E-15 k,k kilo 1E3 a atto 1E-18 H,h hekto 1E2 z zepto 1E-21 D deka 1E1 y yocto 1E-24
Prefix: SI prefixes (0.1s)	5: 4: 1_J 3: 6241506363.09_GeV 2: 1.2208927717E19_GeV 1: 1956086721.2_J +Unit kgxMe kgxGeV JxGeV S+ex SI+U	GRAPH