

# The Gravitic Universal Unit System

corresponding to  $35 G = c_0 = \hbar = k_B = Z_P = 1$

$$T_{ik} = \frac{35}{8\pi} \left( R_{ik} - \frac{1}{2} R g_{ik} + \Lambda g_{ik} \right)$$

Constant	Value	Expression	Octal
Maximum density of water	$1.06447 \times 12^{(-84)}$	one over myriad dillion unillillion	124
6003°C	$3.00000 \times 12^{(-26)}$	three over gross terllion	32
Rydberg constant	$1.00099 \times 12^{(-25)}$	one over dozen terllion	31
Typical photon energy (at 540THz)	$1.03235 \times 12^{(-25)}$	one over dozen terllion	31
Electron mass	$0.94930 \times 12^{(-20)}$	one over myriad dillion	24
Unified atomic mass unit	$1.00143 \times 12^{(-17)}$	one over dozen dillion	21
Fine Structure Constant	$1.05082 \times 12^{(-2)}$	one over gross (dino)	2
Elementary electric charge	$1.02509 \times 12^{(-1)}$	one over dozen (unino)	1
Planck length	$2.02837 \times 12^{(-1)}$	two over dozen (sixth)	1
Bohr Radius	$1.00247 \times 12^{(+22)}$	one times gross myriad dillion	26
GCD of year and day (11minutes15seconds)	$0.99993 \times 12^{(+42)}$	one times gross pentallion	52
The age of the solar system (4.6 billion years)	$2.00984 \times 12^{(+55)}$	sixth times heptallion	67
The age of the universe(13.80 billion years)	$0.50236 \times 12^{(+56)}$	half times heptallion	70

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