

CNST	Constants MENU (ASM) - cat : CNST	Important scientific and technical constant values	Category: Catalog
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line scrolling indicator : $\wedge \vee$

Menu	CNST	1	2	3	4	5	6
3	gShifted	G	G₀	G_C	g_e	GM_⊕	g_⊕
2	fShifted	c₂	e	e_E	F	F_α	F_δ
1	primary	a	a₀	a_{Moon}	a_⊕	c	c₁
Page	1	F1	F2	F3	F4	F5	F6

Info Constants preceded by "# " in programs ; Type characters 1-2 to search ; T1 (temporary info) is shown in extended description

CNST	Page 1	Full name	Extended description	Type	Flag name	Additional information	Catalog	Default	Status
F1	a	Gregorian year	yr.gregor a = +3.652425 × 10 ²	Constant (#0)		Unit : d			
F2	a₀	Bohr radius	rad.bohr a ₀ = +5.29177210903 × 10 ⁻¹¹	Constant (#1)		Unit : m			
F3	a_{Moon}	Moon orbit (semi major axis)	orb.moon a _{Moon} = +3.844 × 10 ⁸	Constant (#2)		Unit : m			
F4	a_⊕	Earth orbit (semi major axis)	orb.earth a _⊕ = +1.495979 × 10 ¹¹	Constant (#3)		Unit : m			
F5	c	Speed of light (vacuum)	lightspeed c = +2.99792458 × 10 ⁸	Constant (#4)		Unit : m/s			
F6	c₁	1st radiation constant	c.radiatn1 c ₁ = +3.741771852192750000000000000929985 × 10 ⁻¹⁶	Constant (#5)		Unit : Wm ²			

fShifted F1	c₂	2nd radiation constant	c.radiatn2 c ₂ = +1.438776877503930000000000000543912 × 10 ⁻²	Constant (#6)		Unit : mK			
fShifted F2	e	Elementary charge	charge.elem e = +1.602176634 × 10 ⁻¹⁹	Constant (#7)		Unit : As			
fShifted F3	e_E	Euler's e	e.euler e _E = +2.718281828459040000000000000352662	Constant (#8)					
fShifted F4	F	Faraday constant	c.faraday F = +9.64853321233100184 × 10 ⁴	Constant (#9)		Unit : As/mol			
fShifted F5	F_α	Feigenbaum alpha	α.feigenbm F _α = +2.502907875095890000000000000218216	Constant (#10)					
fShifted F6	F_δ	Feigenbaum delta	δ.feigenbm F _δ = +4.669201609102990000000000000466202	Constant (#11)					

gShifted F1	G	Newtonian constant of gravitation	c.grav.nwt G = +6.6743 × 10 ⁻¹¹	Constant (#12)		Unit : m ³ /kg.s ²			
gShifted F2	G₀	Conductance quantum	cond.quant G ₀ = +7.748091729863650000000000000308764 × 10 ⁻⁵	Constant (#13)		Unit : Ω ⁻¹			
gShifted F3	G_C	Catalan's constant	c.catalan G _C = +9.1596559417721900000000000000323841 × 10 ⁻¹	Constant (#14)					
gShifted F4	g_e	Landé's electron g-factor	gfact.elec g _e = -2.00231930436256	Constant (#15)					
gShifted F5	GM_⊕	Geocentric gravitational constant	c.grav.geo GM _⊕ = +3.986004418 × 10 ¹⁴	Constant (#16)		Unit : m ³ /s ²			
gShifted F6	g_⊕	Standard Earth acceleration	acc.earth g _⊕ = +9.80665	Constant (#17)		Unit : m/s ²			