

CNST	Constants					
g-shift	μ_B	μ_e	μ_e/μ_B	μ_B	μ_n	μ_p
f-shift	$\Delta\nu_{CS}$	ϵ_0	λ_C	λ_{Cn}	λ_{Cp}	μ_0
unshifted	V_m	Z_0	α_F	γ_{EH}	γ_p	δ_s
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Prev menu https://47calc.com/doc/C47/Menus/C47_Menu_CNST_page_3.pdf

Next menu https://47calc.com/doc/C47/Menus/C47_Menu_CNST_page_5.pdf

Ref 1 https://47calc.com/doc/C47/Reference/C47_Constants.pdf

Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
Menu p4	CNST	MENU (ASM)	Constants	Important scientific and technical constants ; Info : In Program Entry Mode, constants selected from the menu are stored in programs as "# ", the reference number, the label and the abbreviated name ; in the equation editor the label is simply preceded by "#" ; Type characters 1-2 to search; TI : <constant abbreviation> = <value> ; Ref : https://47calc.com/doc/C47/Reference/C47_Constants.pdf	Catalog		CNST	
F1	V _m	Constant	Volume of ideal gas	Constant # 54 V _m volume.gas = +2.241396954501413773501110288675056 × 10 ⁻² ; Unit : m ³ /mol	Constants			
F2	Z ₀	Constant	Characteristic impedance of vacuum	Constant # 55 Z ₀ imped.vac = +3.76730313412 × 10 ² ; Unit : Ω	Constants			
F3	α _F	Constant	Fine-structure constant	Constant # 56 α _F c.finestruc = +7.2973525643 × 10 ⁻³	Constants			
F4	γ _{EM}	Constant	Euler-Mascheroni constant	Constant # 58 γ _{EM} c.eul.masc = +5.772156649015328606065120900824024 × 10 ⁻¹	Constants			
F5	γ _p	Constant	Proton gyromagnetic ratio	Constant # 59 γ _p r.gyro.prot = +2.6752218708 × 10 ⁸	Constants			
F6	δ _S	Constant	Silver ratio	Constant # 81 δ _S r.silver = +2.414213562373095048801688724209698 -- see https://arxiv.org/pdf/2309.05050.pdf ; Info : δ _S = 1 + √2	Constants			
fF1	Δν _{CS}	Constant	Hyperfine transition frequency of ¹³³ Cs	Constant # 60 Δν _{CS} frq.hypf.cs = +9.19263177 × 10 ⁹ ; Unit : Hz	Constants			
fF2	ε ₀	Constant	Vacuum electric permittivity	Constant # 61 ε ₀ epermt.vac = +8.8541878188 × 10 ⁻¹² ; Unit : As/Vm	Constants			
fF3	λ _C	Constant	Compton wavelength of the electron	Constant # 62 λ _C wavln.elec = +2.42631023538 × 10 ⁻¹² ; Unit : m	Constants			
fF4	λ _{Cn}	Constant	Compton wavelength of the neutron	Constant # 63 λ _{Cn} wavln.neu = +1.31959090382 × 10 ⁻¹⁵ ; Unit : m	Constants			
fF5	λ _{Cp}	Constant	Compton wavelength of the proton	Constant # 64 λ _{Cp} wavln.prot = +1.32140985360 × 10 ⁻¹⁵ ; Unit : m	Constants			
fF6	μ ₀	Constant	Vacuum magnetic permeability	Constant # 65 μ ₀ mpermb.vac = +1.25663706127 × 10 ⁻⁶ ; Unit : Vs/Am	Constants			
gF1	μ _B	Constant	Bohr's magneton	Constant # 66 μ _B magn.both = +9.274010065 × 10 ⁻²⁴ ; Unit : J/T	Constants			
gF2	μ _e	Constant	Electron magnetic moment	Constant # 67 μ _e mgmom.elec = -9.2847646917 × 10 ⁻²⁴ ; Unit : J/T	Constants			
gF3	μ _e /μ _B	Constant	Electron magnetic moment / Bohr's magneton	Constant # 68 μ _e /μ _B r.elec.bohr = -1.00115965218046	Constants			
gF4	μ _G	Constant	Gerver constant	Constant # 82 μ _G c.gerver = +2.21953166887197 -- see https://en.wikipedia.org/wiki/Moving_sofa_problem ; Info : Moving sofa problem	Constants			
gF5	μ _n	Constant	Neutron magnetic moment	Constant # 69 μ _n magmom.neu = -9.6623653 × 10 ⁻²⁷ ; Unit : J/T	Constants			
gF6	μ _p	Constant	Proton magnetic moment	Constant # 70 μ _p mgmom.prot = +1.41060679545 × 10 ⁻²⁶ ; Unit : J/T	Constants			