

Pogosto uporabljane konstante

svetlobna hitrost v vakuumu	c_0	299 792 458 m/s (točno)
indukcijska konstanta	μ_0	$4\pi \times 10^{-7} = 12,566 \dots \times 10^{-7}$ Vs/Am (točno)
influenčna konstanta	ε_0	$8,854 187 817 \dots \times 10^{-12}$ As/Vm (točno)
gravitacijska konstanta	G	$6,673(10) \times 10^{-11}$ m ³ /kg s ²
Planckova konstanta	h	$6,626 068 76(52) \times 10^{-34}$ Js
$h/2\pi$	\hbar	$1,054 571 596(82) \times 10^{-34}$ Js
	\hbar	$6,5822 \times 10^{-16}$ eV s
osnovni naboj	e_0	$1,602 176 462(63) \times 10^{-19}$ As
elektronvolt	eV	$1,602 176 462(63) \times 10^{-19}$ J
	eV	$\sim 2,41796 \times 10^{14}$ Hz ($\times 2\pi\hbar$)
	eV	$\sim 8,0655 \times 10^3$ cm ⁻¹ ($\times 2\pi\hbar c_0$)
	eV	$\sim 1,1604 \times 10^4$ K ($\times k_B$)
masa elektrona	m_e	$9,109 381 88(72) \times 10^{-31}$ kg
	m_e	0,51100 MeV/c ²
masa protona	m_p	$1,627 621 58(13) \times 10^{-27}$ kg
m_p/m_e		1836,152 667 5(39)
Bohrov radij ($4\pi\varepsilon_0\hbar^2/m_e e_0^2$)	a_0	$0,529177 \times 10^{-10}$ m
Rydberg ($\hbar^2/2m_e a_0^2$)	Ry	13,6058 eV
konst. fine strukture ($e_0^2/4\pi\varepsilon_0\hbar c_0$)	α	1/137,036
Bohrov magneton ($e_0\hbar/2m_e$)	μ_B	$9,2741 \times 10^{-24}$ J/T
	μ_B	$5,7884 \times 10^{-5}$ eV/T
jedrski magneton ($e_0\hbar/2m_p$)	μ_N	$5,0508 \times 10^{-27}$ J/T
kvant magnetnega pretoka ($h/2e_0$)	Φ_0	$2,067 833 636(81) \times 10^{-15}$ V s (Wb)
Avogadrovo število	N_A	$6,022 141 99(47) \times 10^{23}$ mol ⁻¹
Boltzmannova konstanta (R/N_A)	k_B	$1,380 650 3(24) \times 10^{-23}$ J/K
	k_B	$8,617 \times 10^{-5}$ eV/K
energija $k_B T$ ($T = 273,15$ K)		0,023538 eV $\sim 1/40$ eV
molska plinska konstanta	R	8,314 472(15) J/mol K
atomska enota mase	u	$1,660 538 73(13) \times 10^{-27}$ kg = $\frac{1}{12} m(^{12}\text{C}) = 1$ g mol ⁻¹ / N_A
Stefanova konst. ($\pi^2 k_B^4/60\hbar^3 c_0^2$)	σ	$5,670 400(40) \times 10^{-8}$ W/m ² K ⁴

CGS enote

erg	1 erg = 10 ⁻⁷ J	dyne	1 dyn = 10 ⁻⁵ N
poise	1 P = 1 dyn s/cm ² = 0,1 Pa s	stokes	1 St = 1 cm ² /s = 10 ⁻⁴ m ² /s
gauss	1 G = 10 ⁻⁴ T	oersted	1 Oe = $\frac{1000}{4\pi}$ A/m $\sim 10^{-4}$ T (v vakuumu)
maxwell	1 Mx = 10 ⁻⁸ V s (Wb)	stillb	1 sb = 1 cd/cm ² = 10 ⁴ cd/m ²
phot	1 ph = 10 ⁴ lx		