Fundamental Physical Constants — Electromagnetic constants

Quantity	Symbol	Value	Unit	Relative std. uncert. u_r
elementary charge	e	$1.602\,176\,487(40) \times 10^{-19}$	C	2.5×10^{-8}
	e/h	$2.417\,989\,454(60) \times 10^{14}$	A J^{-1}	2.5×10^{-8}
magnetic flux quantum $h/2e$	Φ_0	$2.067\,833\,667(52) \times 10^{-15}$	Wb	2.5×10^{-8}
conductance quantum $2e^2/h$	G_0	$7.748\,091\,7004(53) \times 10^{-5}$	S	6.8×10^{-10}
inverse of conductance quantum	G_0^{-1}	$12\,906.403\,7787(88)$	Ω	6.8×10^{-10}
Josephson constant[1] $2e/h$	K_J	$483\,597.891(12) \times 10^{9}$	Hz V^{-1}	2.5×10^{-8}
von Klitzing constant[2] $h/e^2 = \mu_0 c/2\alpha$	R_K	$25\,812.807\,557(18)$	Ω	6.8×10^{-10}
Bohr magneton $e\hbar/2m_e$	μ_B	$927.400\,915(23) \times 10^{-26}$	J T^{-1}	2.5×10^{-8}
in eV T^{-1}		$5.788\,381\,7555(79) \times 10^{-5}$	eV T^{-1}	1.4×10^{-9}
	μ_B/h	$13.996\,246\,04(35) \times 10^{9}$	Hz T^{-1}	2.5×10^{-8}
	μ_B/hc	$46.686\,4515(12)$	m^{-1} T^{-1}	2.5×10^{-8}
	μ_B/k	$0.671\,7131(12)$	K T^{-1}	1.7×10^{-6}
nuclear magneton $e\hbar/2m_p$	μ_N	$5.050\,783\,24(13) \times 10^{-27}$	J T^{-1}	2.5×10^{-8}
in eV T^{-1}		$3.152\,451\,2326(45) \times 10^{-8}$	eV T^{-1}	1.4×10^{-9}
	μ_N/h	$7.622\,593\,84(19)$	MHz T^{-1}	2.5×10^{-8}
	μ_N/hc	$2.542\,623\,616(64) \times 10^{-2}$	m^{-1} T^{-1}	2.5×10^{-8}
	μ_N/k	$3.658\,2637(64) \times 10^{-4}$	K T^{-1}	1.7×10^{-6}

[1] See the "Adopted values" table for the conventional value adopted internationally for realizing representations of the volt using the Josephson effect.

[2] See the "Adopted values" table for the conventional value adopted internationally for realizing representations of the ohm using the quantum Hall effect.