

Universal Constants

•	CONSTANT	VALUES
1	Speed of light (C)	2.99792458×10^8 m/sec
2	Mass of electron (m_e)	$9.1093897 \times 10^{-31}$ kg
3	Mass of proton (m_p)	$1.6726231 \times 10^{-27}$ kg
4	Mass of nutron (m_n)	$1.6749268 \times 10^{-27}$ kg
5	Charge of proton (+e)	$+1.60217733 \times 10^{-19}$ c
6	Charge of electron (-e)	$-1.60217733 \times 10^{-19}$ c
7	Charge of nutron	0
8	Gravitational Constant (G)	6.67259×10^{-11} N m ² / kg ²
9	Gas constant (R)	8.314510 J K ⁻¹ mol ⁻¹
10	Avogadro Constant (N_A)	6.0221367×10^{23} / mol
11	Bohr radius (a_0)	$5.29177249 \times 10^{-11}$ m
12	Rydberg constant (R)	1.0973731534×10^7 mol ⁻¹
13	Plank constant (h)	$6.62600755 \times 10^{-34}$ J sec
14	Faraday constant (F)	96485.3029 C/mol
15	Permittivity in vecuum (ϵ_0)	$8.854187817 \times 10^{-12}$ C ² N ⁻¹ ·m ⁻² , F/m
16	Permeability in vecuum (μ_0)	$4\pi \times 10^{-7}$ N/A ²
17	Ground state energy of H- Atom	13.6056 ev
18	Mass of earth	5.98×10^{24} kg
19	mean radius of earth	6.37×10^6 m

Universal Constants In Physics

J Ma



Universal Constants In Physics:

Reviewing **Universal Constants In Physics**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Universal Constants In Physics**," an enthralling opus penned by a very acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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