

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

LP Steffe



Universal Constants In Physics:

Whispering the Secrets of Language: An Mental Quest through **Universal Constants In Physics**

In a digitally-driven earth wherever displays reign supreme and immediate interaction drowns out the subtleties of language, the profound strategies and emotional nuances hidden within words often get unheard. However, located within the pages of **Universal Constants In Physics** a captivating literary value sporting with fresh emotions, lies an extraordinary journey waiting to be undertaken. Penned by a talented wordsmith, that marvelous opus encourages viewers on an introspective trip, lightly unraveling the veiled truths and profound affect resonating within ab muscles material of each and every word. Within the psychological depths with this touching review, we can embark upon a genuine exploration of the book is primary styles, dissect their fascinating publishing type, and fail to the powerful resonance it evokes strong within the recesses of readers hearts.

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