

COMMON FUNDAMENTAL PHYSICAL CONSTANTS (C4)

<i>Constant</i>	<i>Constant Symbol</i>	<i>Numerical Value</i>
<i>Unperturbed Ground State Hyperfine Transition Frequency of the Caesium 133 Atom</i>	$\Delta\nu_{\text{Cs}}$	9 192 631 770 Hz
<i>Speed of Light in Vacuum</i>	c	299 792 458 m/s
<i>Planck Constant</i>	h	$6.626\,070\,15 \times 10^{-34} \text{ J s}$
<i>Elementary Charge</i>	e	$1.602\,176\,634 \times 10^{-19} \text{ C}$
<i>Boltzmann Constant</i>	k	$1.380\,649 \times 10^{-23} \text{ J/K}$
<i>Avogadro Constant</i>	N_{A}	$6.022\,140\,76 \times 10^{23} \text{ mol}^{-1}$
<i>Luminous Efficacy of Monochromatic Radiation of Frequency $540 \times 10^{12} \text{ Hz}$</i>	K_{cd}	683 lm/W
<i>Standard Acceleration of Gravity</i>	g_n	$9.806\,65 \text{ m/s}^2$
<i>Molar Mass Constant</i>	M_{u}	$0.999\,999\,999\,65(30) \times 10^{-3} \text{ kg/mol}$
<i>Pi</i>	π	3.141 592 653 589 793

Sources:

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