

Konstanta Fundamental

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| Kecepatan cahaya di ruang hampa | $c = 2.998 \times 10^8$ | m s^{-1} |
| Konstanta Planck | $h = 6.626 \times 10^{-34}$ | J s |
| Konstanta Boltzmann | $k_B = 1.381 \times 10^{-23}$ | J K^{-1} |
| Konstanta Stefan-Boltzmann | $\sigma = 5.670 \times 10^{-8}$ | $\text{W m}^{-2} \text{K}^{-4}$ |
| Muatan elektron | $e = 1.602 \times 10^{-19}$ | C |
| Konstanta gravitasi universal | $G = 6.674 \times 10^{-11}$ | $\text{N m}^2 \text{kg}^{-2}$ |
| Konstanta gas universal | $R = 8.315$ | $\text{J mol}^{-1} \text{K}^{-1}$ |
| Konstanta Avogadro | $N_A = 6.022 \times 10^{23}$ | mol^{-1} |
| Konstanta Wien | $\lambda_m(T) = 2.898 \times 10^{-3}$ | m K |
| Massa elektron | $m_e = 9.109 \times 10^{-31}$ | kg |
| Massa proton | $m_p = 1.673 \times 10^{-27}$ | kg |
| Massa neutron | $m_n = 1.675 \times 10^{-27}$ | kg |
| Satuan massa atom (a.m.u) | $u = 1.661 \times 10^{-27}$ | kg |

Data Astronomis

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| 1 parsec (pc) | $. = 3.086 \times 10^{16}$ | m |
| 1 satuan astronomi (sa) | $a_{\oplus} = 1.496 \times 10^{11}$ | m |
| Massa Matahari | $M_{\odot} = 1.989 \times 10^{30}$ | kg |
| Radius Matahari | $R_{\odot} = 6.955 \times 10^8$ | m |
| Luminositas Matahari | $L_{\odot} = 3.826 \times 10^{26}$ | W |
| Magnitudo semu Matahari tengah hari | $m_{\odot} = -26.72$ | mag |
| Konstanta Matahari (di Bumi) | $. = 1366$ | W m^{-2} |
| Diameter sudut Matahari | $\theta_{\odot} = 30'$ | |
| Massa Bumi | $M_{\oplus} = 5.972 \times 10^{24}$ | kg |
| Radius Bumi | $R_{\oplus} = 6.371 \times 10^6$ | m |
| 1 tahun tropis | $. = 365.242$ | hari surya |
| . | $. = 3.156 \times 10^7$ | s |
| Massa Jupiter | $M_J = 1.898 \times 10^{27}$ | kg |
| Radius orbit Jupiter | $R_J = 5.203$ | sa |