Quantity	Symbo	Definition	Value (SI)
Planck length	ℓ_P	$\sqrt{\hbar G/c^3}$	$1.616 \times 10^{-35}\,\mathrm{m}$
Planck time	t_P	$\sqrt{\hbar G/c^5}$	$5.391 \times 10^{-44}\,\mathrm{s}$
Planck mass	m_P	$\sqrt{\hbar c/G}$	$2.176 \times 10^{-8}\,\mathrm{kg}$
Planck energy	E_P	$\sqrt{\hbar c^5/G}$ or $m_P c^2$	$1.956 \times 10^{9}\,\mathrm{J}$ ($\approx 1.22 \times 10^{19}\,\mathrm{GeV}$)
Planck temperature	T_P	E_P/k_B	$1.417 \times 10^{32}\,\mathrm{K}$
Planck charge	q_P	$\sqrt{4\pi\varepsilon_0\,\hbar\,c}$	$1.876 \times 10^{-18}\,\mathrm{C}$
Planck force	F_P	c^4/G	$1.210 \times 10^{44}\,\mathrm{N}$
Planck density	ρ_P	m_P/ℓ_P^3	$5.155 \times 10^{96}\,\mathrm{kg/m^3}$
Planck pressure	P_P	$F_P/\ell_P^2 = c^7/(\hbar G^2)$	$4.633 \times 10^{113}\,\mathrm{Pa}$