

# Evrensel sabitler

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SİM	SİMGE	DEĞER
Boşluğun karakteristik empedansı $Z_0$ ?		
Boşluğun permütivitesi $\epsilon_0$		$4\pi \times 10^{-7}$ N/A
		$12,566370614 \times 10^{-7}$ N/A
Boşluğun permütivitesi (1) / $\mu$	$\epsilon_0$	$8,854187817 \times 10^{-12}$ F/m
Dirac sabiti $\alpha$ ( $h$ bar)		$1,054571596 \times 10^{-34}$ J s
		$6,58211889 \times 10^{-16}$ eV s
Elektrik sabiti $\epsilon_0$		$8,854187817 \times 10^{-12}$ F/m
Fermi sabiti $G_F$		$1,4 \times 10^{-50}$ J/m <sup>3</sup>
Manyetik sabit $\mu_0$		$4\pi \times 10^{-7}$ N/A
		$12,566370614 \times 10^{-7}$ N/A
Planck kütlesi $m_P$ ( $c$ / G)	$m_P$	$2,17644 \times 10^{-8}$ kg
		$1,22892 \times 10^{19}$ GeV
Planck sabiti $h$		$6,62606896 \times 10^{-34}$ J s
		$4,13566733 \times 10^{-15}$ eV s
Planck sabiti $\hbar$ ( $h$ bar)		$1,054571628 \times 10^{-34}$ J s
		$6,58211889 \times 10^{-16}$ eV s
Planck uzunluğu $(G / c^3)^{1/2}$	$l_P$	$1,616252 \times 10^{-35}$
Planck zamanı $(G / c^3)^{1/2}$	$t_P$	$5,39124 \times 10^{-44}$