

Fiziksel-Kimyasal sabitler

Salı, 17 Ağustos 2010 01:47

SİM	SİMGE	DEĞER
Atomik kütle birimi (Dalton) u		$1,660538782 \times 10^{-27}$ kg

$9,31494028 \times 10^2$		MeV
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$1,49241783 \times 10^{-10}$		J
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$2,2523427369 \times 10^{23}$		Hz
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$7,513006671 \times 10^{14}$		/ m
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$3,4231777149 \times 10^7$		Hartree
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$1,0809527 \times 10^{13}$		K
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Avogadro sayısı, N_A		$6,02214179 \times 10^{23}$ / mol
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Birincil şıma sabiti (200) C_{200}		$3,74177107 \times 10^{-16}$ W m
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Birincil şıma sabiti (spektral radyans, 191) C_{191}		$1,9102722 \times 10^{-16}$ W m
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Boltzmann sabiti, k_B		$1,3806504 \times 10^{-23}$ J / K
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$8,617343 \times 10^{-5}$		eV / K
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$2,0836644 \times 10^{10}$		Hz / K
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$69,50356$ / m k		
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Faraday sabiti F	96485,3399 C / mol
Hawking sabiti κ	10^{41} C /
İdeal gazın ikincil ışınım katsayısı κ_2	$22,413996 \times 10^{-3}$ m
İkincil ışınım sabiti κ_2 (hc / k)	$1,4387752 \times 10^{-2}$ m K
Loschmidt sabiti n_0	$2,6867775 \times 10^{25}$ / m
Loschmidt sabiti n_0 (273,15 K, 101325 Pa)	$2,2017 \times 10^{25}$ m
Molar gaz sabiti R	8,314472 J / mol K
Molar Planck sabiti h	$3,990312689 \times 10^{-10}$ J s / mol

Molar Planck sabiti h

0,11962656472 J m / mol

Mutlak entropi sabiti S -1,1517048

-1,1648678

Sackur-Tetrode sabiti S -1,1517048

-1,1648678

Stefan-Boltzmann sabiti σ $5,670400 \times 10^{-8}$ W / m² K⁴

Wien'in yer deęirme yasası λ_{max} $2,8977686 \times 10^{-3}$ m K