

Units	Item	Unit Symbol	Raw Value	Power	Unit Value	suffix <i>h</i>	difference	digit	Decimal		
	Local Time	s									
	Length	m	9.1210202711E-08	6	2.7235220593E-01	error/year		-3	272.352206	mm	
	Time	s	3.0424448740E-16	14	3.9062511511E-01	9.2995 seconds		-3	390.625115	ms	
	Energy	J	3.4661985464E-19	16	6.4084554944E-02			-3	64.084555	mJ	
	Temperature	K	2.5105582603E+04	-8	5.8387561230E-05			-6	58.387561	μK	
	Amount of substance	mol	1.6605390404E-24	24	1.3200761837E+02			0	132.007618	mol	
	Mass	g	3.8566660070E-36	32	1.3182928708E-01			-3	131.829287	g	
	Power	W	1.1392806411E-03	2	1.6405641231E-01			-3	164.056412	mW	
	Force	N	3.8002311621E-12	10	2.3530029700E-01			-3	235.300297	mN	
	Pressure	P	4.5679692635E+02	-2	3.1722008774E+00			0	3.172201	Pa	
	Charge	C	1.8755460226E-18	15	2.8896578034E-02			-3	28.896578	mC	
	Electric current	A	6.1646014973E-03	1	7.3975217968E-02			-3	73.975218	mA	
	Field Strength	O	6.7586753610E+04	-5	2.7161600441E-01			-3	271.616004	mA/m	
	Flux density	G	2.2544514315E-04	3	3.8956920377E-01			-3	389.569207	mC/m^2	
	Impedance	Ω/ sr	2.9979245800E+01	0	2.9979245800E+01			0	29.979246	Ω	
	Electric potential difference	ΩA	1.8481010355E-01	1	2.2177212426E+00			0	2.217721	V	
	Electric capacitance	s/Ω	1.0148503716E-17	14	1.3029851308E-02			-3	13.029851	mF	
	Magnetic flux	ΩC	5.6227455221E-17	15	8.6629761567E-01			0	0.866298	Wb	
	Magnetic flux density	ΩG	6.7586753610E-03	3	1.1678991024E+01			0	11.678991	T	
	Inductance	sΩ	9.1210202711E-15	14	1.1710646342E+01			0	11.710646	H	
	Frequency	Ω_ 1/s	3.2868303006E+15	-14	2.5599992456E+00			0	2.559999	Hz	
	Luminous flux	W_sen	8.0324451322E-01	2	1.1566720990E+02			0	115.667210	lm	
	Luminous intensity	W_sen/sr	8.0324451322E-01	2	1.1566720990E+02			0	115.667210	cd	
		W_sen/Ω_ 2	6.3920167395E-02	2	9.2045041049E+00			0	9.204504	cd	
	Illuminance and luminous emittance	W_sen/m^2	9.6551922526E+13	-10	1.5593674527E+03			3	1.559367	klx	
	Catalytic activity	mol/s	5.4579100335E-09	10	3.3793940344E+02			0	337.939403	kat	
	Radio activity	mol_n/s	3.2868303006E+15	-14	2.5599992456E+00			0	2.559999	Bq	
	Absorbed radiation dose	J/g	8.9875517874E+16	-16	4.8611773880E-01			0	0.486118	Gy	
Equivalent dose	J_sen/g	8.9875517874E+16	-16	4.8611773880E-01			0	0.486118	Sv		
Constants	Item	Unit Symbol	Raw Value	Precision	Value/Unit	Dozenal	difference	0123456789XE	Prefix		
	Fine Structure Constant	-	7.2973525664E-03	9	7.2973525664E-03	1;073994049	5.082%	-2	1.050819	centy	
	Avogadro constant	l/mol	6.0221408570E+23	7	7.9496847203E+25	1;0000000	0.000%	24	1.000000	try-cosmic	
	Rydberg constant	Ω_ 1/m	1.0973731569E+07	12	2.9887200000E+06	1;001700000000	0.092%	6	1.000916	cosmic centy	
	Speed of light in vacuum	m/s	2.9979245800E+08	12	4.2998169600E+08	1;000000000000	0.000%	8	1.000000	cosmic	
	Quantum of action	Js	1.0545718000E-34	7	4.2127202331E-33	1;0000000	0.000%	-30	1.000000	quadry-atomic hecty	
	Boltzmann constant	J/K	1.3806485200E-23	6	1.2579115212E-26	1;000000	0.000%	-24	1.000000	try-atomic	
	Gas constant	J/(mol K)	8.3144598614E+00	6	1.0000000000E+00	1;000000	0.000%	0	1.000000		
	Unified atomic mass unit	kg	1.6605390400E-27	7	1.2596131533E-26	1;0024073	0.135%	-24	1.001353	try-atomic	
	Bohr Radius	m	5.2917721067E-11	9	1.9429885242E-10	1;00447X740	0.254%	-9	1.002539	atomic dour	
	Elementary electric charge	C	1.6021766207E-19	9	5.5445202502E-18	1;0374439E2	2.509%	-16	1.025095	by-atomic	
	Electron mass	kg	9.1093835600E-31	7	6.9099846943E-30	0;E48324X	-5.077%	-27	0.949228	try-atomic milly	
	Proton mass	kg	1.6726218973E-27	7	1.2687786867E-26	1;012E181	0.864%	-24	1.008639	try-atomic	
	Newtonian constant of gravitation	(m/s)^4/N	6.6740800000E-11	4	6.6455502348E-11	4;1463	2.869%	-10	4.114750	atomic centy	
	Planck force	N	1.2102954584E+44	4	5.1436206152E+44	2;XEE5	-0.011%	1	41	2.916338	penty-cosmic dirac
	Gravitic meter	m	9.5617360022E-35	4	3.5107980747E-34	1;0001	0.006%	-31	1.000056	quadry-atomic dirac	
	Planck length	m	1.6162283730E-35	4	5.9343318606E-35	2;0413	1.424%	-32	2.028485	quadry-atomic	
	Adjusted Planck length	m	1.8919953377E-34	4	6.9468698856E-34	1;E8E5	-1.059%	-31	1.978827	quadry-atomic dirac	
	Stefan-Boltzmann constant	W/m^2/K^4	5.6703668183E-08	6	2.9796213807E-25	1;E82E28	-1.304%	-23	1.973921	try-atomic dirac	
	Black-body radiation at the ice point	W/m^2	3.1565739919E+02	6	1.4271990844E+02	0;EX8780	-0.889%	2	0.991110	hecly	
	Temperature of the triple point of water	K	2.7316000000E+02	6	4.6783937237E+06	1;6974X2		6	1.566785	cosmic centy	
	Molar volume of an ideal gas	m^3/mol	2.2413962000E-02	6	1.4646199160E+02	1;025664	1.710%	2	1.017097	hecly	
	-log(Sqrt([H+][OH-])/(mol/m^3))	log(12)	1.0039920318E+04	4	7.2401888623E+00	7;2X71		0	7.240189		
	Maximum density of water	kg/m^3	9.9997200000E+02	6	1.5323875955E+02	1;092X47	6.416%	2	1.064158	hecly	
	Density of ice at the ice point	kg/m^3	9.1680000000E+02	4	1.4049322857E+02	0;E85E	-2.435%	2	0.975647	hecly	
	Specific heat of water	J/kg/K	4.1840000000E+03	4	5.0253989247E-01	6;0448	0.508%	-1	6.030479	dour	
	Surface tension of water at 25°C	N/m	7.1970000000E-02	4	8.3302862389E-02	0;EEE4	-0.037%	-1	0.999634	dour	
	photon energy at 540THz	J	3.5780778211E-19	7	5.5833700089E-18	1;0479373	3.228%	-16	1.032277	by-atomic	
	(according to the definition of candela)	cΩA	2.2332605375E+00	7	1.0070068747E+00	1;0101365	0.701%	0	1.007007	(1;00 for 536.24THz)	
	Buoyancy of saltwater (1.024)	P/m	1.0041728424E+04	6	8.6214177263E+02	5;EX184	-0.215%	2	5.987096	hecly	
	Sea depth at standard atmosphere	m	1.0090394375E+01	6	3.7049064245E+01	3;107095	0.133%	1	1	3.087422	dirac
	Standard atmosphere	P	1.0132500000E+05	6	3.1941545922E+04	1;659967	-0.083%	2	4	1.540391	super
	Standard gravitational acceleration	m/s^2	9.8066500000E+00	7	5.4942713403E+00	5;5E21264	-8.429%	0	0	5.494271	
	Gravitational radius of the Earth	m	4.4350280391E-03	10	1.6284164191E-02	2;4180306534		-2	2.344920	centy	
	Equatorial radius of the Earth	m	6.3781400000E+06	7	2.3418719809E+07	0;7X145E		7	0.653573	cosmic dour	
	Meridian length of the Earth / 4	m	1.0001965000E+07	7	3.6724376679E+07	1;0370649	2.491%	7	1.024910	cosmic dour	
	Gravitational radius of the Sun	m	1.4766250158E+03	8	5.4217479559E+03	3;1798E857		3	3.137586	kily	
	Astronomical unit	m	1.4959787000E+11	9	5.4928091912E+11	8;X55509X33		10	8.871194	cosmic hecly	
	Astronomical unit / c0	s	4.9900478150E+02	9	1.2774518642E+03	8;X55509X33		2	8.871194	hecly	
	Astronomical unit / c0 / (12^(-3)day)	-	9.9800956300E+00	9	9.9800956300E+00	9;E91731X53		0	9.980096		

Clock by Rydberg

Dimensionless Numbers	Item			Precision	Raw Value	Dozenal		Power	Decimal	Prefix
	α			9	7.2973525664E-03	1;073994049		-2	1.050819	centy
	$1/\alpha$			9	1.3703599914E+02	0;E5052258X		2	0.951639	hecty
				9	1.3703599914E+02	B5;052258X26		0	137.035999	
	$\alpha^0.5$			9	8.5424543115E-02	1;0374439E2		-1	1.025095	dour
	$(1/\alpha)^0.5$			9	1.1706237617E+01	0;E85846628		1	0.975520	dirac
	4π			12	1.2566370614E+01	1;0696831713E1		1	1.047198	dirac
	$1/4\pi$			12	7.9577471546E-02	0;E5615082189E		-1	0.954930	dour
				9	7.9577471546E-02	B5;61508218X		-3	137.509871	milly
	$4\pi/\alpha$			9	1.7220451527E+03	0;EE6066035		3	0.996554	kily
	$\alpha/4\pi$			9	5.8070486621E-04	1;005E85686		-3	1.003458	milly
	$4\pi/\alpha^2$			9	2.3598217806E+05	0;E46922178		5	0.948359	cosmic milly
	$\alpha^2/4\pi$			9	4.2376081458E-06	1;07X1163X8		-5	1.054453	atomic kily
	μ			11	1.8361526725E+03	1;09019E9995E		3	1.062588	kily
	$\mu^9 \times \alpha^(-11)$			11	7.5920748047E+52	1;001XXX0E449		49	1.001105	sextty-cosmic dirac
	$2^{\wedge}43$			12	8.7960930222E+12	0;EX08X990X0X8		12	0.986540	cosmic super
	$12^{\wedge}16 / 2^{\wedge}48$			12	6.5684083557E+02	4;68X10E696900		2	4.561395	hecty
	$2^{\wedge}(-17)$ circle / rad			12	4.7936899621E-05	0;EE17EX582521		-4	0.994020	sub

Rydberg constant for H	Ω _l/m	1.0967758341E+07	12	2.9870931782E+06	1;000785217E43		6	1.000371	cosmic centy
μ (Reduced mass)		0.999455679							
1W/W _{sen}		9.6873201750E-01	7	9.6873201750E-01	0;E75E764		0	0.968732	
540THz		5.4000000000E+14	7	2.1093756216E+14	1;E7X9143		13	1.971504	by-cosmic milly
2;by-cosmic milly cycle / s		5.4780505011E+14		2.1398641076E+14	2		13		

Solar luminosity

apparent magnitude 0.0		2.57505E-06	6	1.6513395069E-09	8;62E613		-9	8.520549	atomic dour
Brite scale 0.0		7.81361E-09	6	5.0107534753E-12	3;881495		-11	3.723032	atomic milly
apparent magnitude 6.0		1.02514E-08	6	6.5741009870E-12	4;X74739		-11	4.884612	atomic milly
apparent magnitude 5.0		2.57505E-08	6	1.6513395069E-11	1;0329X3		-10	1.022466	atomic centy

Earth gravity

g_E		9.8312076425E+00	7	5.5080299991E+00	5;611X615		0	5.508030	
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Earth rotation

year/day			9	1.0020361797E+00	1;003628000		0	1.002036	
s_h / s_e			12	1.0000002947E+00	1;000000X68658		0	1.000000	
s_e / s_h			12	9.9999970531E-01	0;EEEEEE153565		0	1.000000	

factor 1.025

10^1 km / factor		1.0000000000E+07	9	3.5821621226E+07	0;EEE613129		7	0.999716	cosmic dour
10^5 s / factor		1.0000000000E+05	9	2.4975602396E+05	1;006500355		5	1.003713	cosmic milly
electron / factor		1.6021766207E-19	9	5.4092880489E-18	1;0001XE416		-16	1.000092	by-atomic
Density of ice at the ice point * factor		9.1680000000E-02	9	1.4400555928E+02	1;00009733E		2	1.000039	hecty

Temperature

	0° S	-74.360439							
absolute zero	0K	-273.150000	9	-164.1906	-1;182354000		2	1.140212	hecty
coldest air recorded on the Earth	-89.4°C	-89.400000	9	-12.4220	-1;05091705X		1	1.035163	dirac
	-78°C	-78.000000	9	-3.0061	-3;00X663053		0	3.006102	
	-55°C	-55.000000	9	15.9908	1;3EX80EE74		1	1.332566	dirac
	-32°C	-32.000000	9	34.9877	2;XEX286232		1	2.915640	dirac
	0°F	-17.800000	9	46.7162	3;X87170018		1	3.893016	dirac
	-9°C	-9.000000	9	53.9846	4;5E99404XE		1	4.498714	dirac
melting point of ice	0°C	0.000000	9	61.4181	5;150265551		1	5.118178	dirac
melting point of ice(VSMOW)	0.000089°C	0.000089	9	61.4182	5;15027E8E1		1	5.118184	dirac
triple point of water	0.1°C	0.010000	9	61.4264	5;151498827		1	5.118866	dirac
maximum density point of water	3.98°C	3.980000	9	64.7054	5;4856E7X8E		1	5.392119	dirac
	14°C	14.000000	9	72.9815	6;0E93E6769		1	6.081788	dirac
	15°C	15.000000	9	73.8074	6;198325X35		1	6.150618	dirac
	20°C	20.000000	9	77.9372	6;5E2E51EXX		1	6.494764	dirac
	25.5°C	25.500000	9	82.4799	6;X591338X7		1	6.873325	dirac
	37°C	37.000000	9	91.9784	7;7E8X70X26		1	7.664863	dirac
	100°F	37.800000	9	92.6391	7;878047523		1	7.719926	dirac
hottest air recorded on the Earth	58.8°C	58.800000	9	109.9841	9;1E9863248		1	9.165342	dirac
	60°C	60.000000	9	110.9752	9;2E85270X3		1	9.247937	dirac
	83°C	83.000000	9	129.9721	X;9E7EX1361		1	10.831011	dirac
boiling point of water(ITS-90)	99.974°C	99.974000	9	143.9918	0;EEEX9X867		2	0.999943	hecty
boiling point of water(VSMOW)	99.9839°C	99.983900	9	144.0000	1;000000329		2	1.000000	hecty
	100°C	100.000000	9	144.0133	1;0001E001X		2	1.000092	hecty

		-1.570180E-05			
61° S		14.022447		73.0000	
78° S		37.026212		92.0000	
100° S		99.983884		144.0000	
3000; SK _h		6003.25 °C			