Units

Item	Unit Symbol	Raw Value	Power	Unit Value	suffix *h*	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	3.8956920737E-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_e	8.0324451322E-01	2	1.1566720990E+02				0	115.667210	lm
Luminous intensity	W_e/sr	8.0324451322E-01	2	1.1566720990E+02				0	115.667210	cd
	W_e/Ω_2	6.3920167395E-02	2	9.2045041049E+00				0	9.204504	cd
Illuminance and luminous emittance	W_e/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_e/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	1/mol	6.0221408570E+23	7	7.9496847203E+25	**1;0000000**	0.000%		**24**	1.000000	tri-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	tetra-atomic hecty
Boltzmann constant	J/K	1.3806485200E-23	6	1.2579115212E-26	**1;000000**	0.000%		**-24**	1.000000	tri-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	tri-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	di-atomic
Electron mass	kg	9.1093835600E-31	7	6.9099846943E-30	**0;E48324X**	-5.077%		**-27**	0.949228	tri-atomic milly
Proton mass	kg	1.6726218973E-27	7	1.2687786867E-26	**1;012E181**	0.864%		**-24**	1.008639	tri-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	penta-cosmic dirac
Gravitic meter	m	9.5617360022E-35	4	3.5107980747E-34	**1;0001**	0.006%		**-31**	1.000056	tetra-atomic dirac
Planck length	m	1.6162283730E-35	4	5.9343318606E-35	**2;0413**	1.424%		**-32**	2.028485	tetra-atomic
Adjusted Planck length	m	1.8919953377E-34	4	6.9468698856E-34	**1;E8E5**	-1.059%		**-31**	1.978827	tetra-atomic dirac
Stefan-Boltzmann constant	W/m^2/K^4	5.6703668183E-08	6	2.9796213807E-25	**1;E82E28**	-1.304%		**-23**	1.973921	tri-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	hecty
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	hecty
-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	hecty
Density of ice at the ice point	kg/m^3	9.1680000000E+02	4	1.4049322857E+02	**0;E85E**	**-2.435%**		**2**	0.975647	hecty
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℃	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	di-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	hecty
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
The diameter of the solar mass black hole	m	5.9065000632E+03	8	2.1686991824E+04	**1;0672EX9X**			**4**	1.045862	super
Astronomical unit	m	1.4959787000E+11	9	5.4928091912E+11	**8;X55509X33**			**10**	8.871194	cosmic hecty
Astronomical unit / c0	s	4.9900478150E+02	9	1.2774518642E+03	**8;X55509X33**			**2**	8.871194	hecty
Astronomical unit / c0 / (12^(-3)day')	-	9.9800956300E+00	9	9.9800956300E+00	**9;E91731X53**			**0**	9.980096	

Dimensionless Numbers

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

Rydberg constant for H	Ω_1/m	1.0967758341E+07	12	2.9870931782E+06	**1;000785217E43**			**6**	1.000371	cosmic centy
μ (Reduced mass)		0.999455679								
1W/W_e		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	di-cosmic milly
2;di-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	

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

10^7 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	di-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℃	-89.400000	9	-12.4220	**-1;05091705X**			**1**	1.035163	dirac
	-78℃	-78.000000	9	-3.0061	**-3;00X663053**			**0**	3.006102	
	-55℃	-55.000000	9	15.9908	**1;3EX80EE74**			**1**	1.332566	dirac
	-32℃	-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℃	-9.000000	9	53.9846	**4;5E99404XE**			**1**	4.498714	dirac
melting point of ice	0℃	0.000000	9	61.4181	**5;150265551**			**1**	5.118178	dirac
melting point of ice(VSMOW)	0.000089℃	0.000089	9	61.4182	**5;15027E8E1**			**1**	5.118184	dirac
ttriple point of water	0.1℃	0.010000	9	61.4264	**5;151498827**			**1**	5.118866	dirac
maximum density point of water	3.98℃	3.980000	9	64.7054	**5;4856E7X8E**			**1**	5.392119	dirac
	14℃	14.000000	9	72.9815	**6;0E93E6769**			**1**	6.081788	dirac
	15℃	15.000000	9	73.8074	**6;198325X35**			**1**	6.150618	dirac
	20℃	20.000000	9	77.9372	**6;5E2E51EXX**			**1**	6.494764	dirac
	25.5℃	25.500000	9	82.4799	**6;X591338X7**			**1**	6.873325	dirac
	37℃	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℃	58.800000	9	109.9841	**9;1E9863248**			**1**	9.165342	dirac
	60℃	60.000000	9	110.9752	**9;2E85270X3**			**1**	9.247937	dirac
	83℃	83.000000	9	129.9721	**X;9E7EX1361**			**1**	10.831011	dirac
boiling point of water(ITS-90)	99.974℃	99.974000	9	143.9918	**0;EEEX9X867**			**2**	0.999943	hecty
boiling point of water(VSMOW)	99.9839℃	99.983900	9	144.0000	**1;000000329**			**2**	1.000000	hecty
	100℃	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