

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	9.2994 seconds		-3	390.625115	ms	
	Energy	J	3.4661983032E-19	16	6.4084550448E-02			-3	64.084550	mJ	
	Temperature	K	2.5105575750E+04	-8	5.8387545292E-05			-6	58.387545	μK	
	Amount of substance	mol	1.6605389210E-24	24	1.3200760888E+02			0	132.007609	mol	
	Mass	g	3.8566657364E-36	32	1.3182927783E-01			-3	131.829278	g	
	Power	W	1.1392805611E-03	2	1.6405640080E-01			-3	164.056401	mW	
	Force	N	3.8002308955E-12	10	2.3530028049E-01			-3	235.300280	mN	
	Pressure	P	4.5679689430E+02	-2	3.1722006549E+00			0	3.172201	Pa	
	Charge	C	1.8755459568E-18	15	2.8896577020E-02			-3	28.896577	mC	
	Electric current	A	6.1646012811E-03	1	7.3975215373E-02			-3	73.975215	mA	
	Field Strength	O	6.7586751239E+04	-5	2.7161599488E-01			-3	271.615995	mA/m	
	Flux density	G	2.2544513524E-04	3	3.8956919370E-01			-3	389.569194	mC/m^2	
	Impedance	Ω/ sr	2.9979245800E+01	0	2.9979245800E+01			0	29.979246	Ω	
	Electric potential difference	ΩA	1.8481009706E-01	1	2.2177211648E+00			0	2.217721	V	
	Electric capacitance	s/Ω	1.0148503716E-17	14	1.3029851308E-02			-3	13.029851	mF	
	Magnetic flux	ΩC	5.6227453248E-17	15	8.6629758527E-01			0	0.866298	Wb	
	Magnetic flux density	ΩG	6.7586751239E-03	3	1.1678990614E+01			0	11.678991	T	
	Inductance	sΩ	9.1210202711E-15	14	1.1710646342E+01			0	11.710646	H	
	Frequency	Ω_ 1/s	3.2868303007E+15	-14	2.5599992456E+00			0	2.559999	Hz	
	Luminous flux	W_sen	8.0324445686E-01	2	1.1566720179E+02			0	115.667202	lm	
	Luminous intensity	W_sen/sr	8.0324445686E-01	2	1.1566720179E+02			0	115.667202	cd	
		W_sen/Ω_ 2	6.3920162910E-02	2	9.2045034590E+00			0	9.204503	cd	
	Illuminance and luminous emittance	W_sen/m^2	9.6551915752E+13	-10	1.5593673433E+03			3	1.559367	klx	
	Catalytic activity	mol/s	5.4579096411E-09	10	3.3793937915E+02			0	337.939379	kat	
	Radio activity	mol_n/s	3.2868303007E+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	-	7.2973525698E-03	9	7.2973525698E-03	1;07399404E	5.082%	-2	1.050819	centy	
	Avogadro constant	l/mol	6.0221412900E+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	1.0545717260E-34	7	4.2127202331E-33	1;0000000	0.000%	-30	1.000000	quadry-atomic hecty	
	Boltzmann constant	J/K	1.3806488000E-23	6	1.2579115212E-26	1;000000	0.000%	-24	1.000000	try-atomic	
	Gas constant	J/(mol K)	8.3144621455E+00	6	1.0000000000E+00	1;000000	0.000%	0	1.000000		
	Unified atomic mass unit	kg	1.6605389210E-27	7	1.2596131514E-26	1;0024073	0.135%	-24	1.001353	try-atomic	
	Bohr Radius	m	5.2917721092E-11	9	1.9429885251E-10	1;00447X743	0.254%	-9	1.002539	atomic dour	
	Elementary electric charge	C	1.6021765649E-19	9	5.5445202515E-18	1;0374439E3	2.509%	-16	1.025095	by-atomic	
	Electron mass	kg	9.1093829100E-31	7	6.9099846861E-30	0;E48324X	-5.077%	-27	0.949228	try-atomic milly	
	Proton mass	kg	1.6726217773E-27	7	1.2687786847E-26	1;012E181	0.864%	-24	1.008639	try-atomic	
	Newtonian constant of gravitation	(m/s)^4/N	6.6738400000E-11	4	6.6453107945E-11	4;1460	2.865%	-10	4.114601	atomic centy	
	Planck force	N	1.2103389822E+44	4	5.1438059474E+44	2;XEE7	-0.008%	1	41	2.916443	penty-cosmic dirac
	Gravitic meter	m	9.5615637451E-35	4	3.5107348268E-34	1;0001	0.004%	-31	1.000038	quadry-atomic dirac	
	Planck length	m	1.6161992562E-35	4	5.9342249521E-35	2;0412	1.422%	-32	2.028448	quadry-atomic	
	Adjusted Planck length	m	1.8919612525E-34	4	6.9467447344E-34	1;E8E4	-1.060%	-31	1.978791	quadry-atomic dirac	
	Stefan-Boltzmann constant	W/m^2/K^4	5.6703726119E-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	3.1565772170E+02	6	1.4272006428E+02	0;EX8783	-0.889%	2	0.991112	hecly	
	Temperature of the triple point of water	K	2.7316000000E+02	6	4.6783950008E+06	1;6974X3		6	1.566785	cosmic centy	
	Molar volume of an ideal gas	m^3/mol	2.2413968000E-02	6	1.4646202028E+02	1;025664	1.710%	2	1.017097	hecly	
	-log(Sqrt([H+][OH-])/(mol/m^3))	log(12)	1.0039920318E-04	4	7.2401888334E+00	7;2X71		0	7.240189		
	Maximum density of water	kg/m^3	9.9997200000E+02	6	1.5323877030E+02	1;092X47	6.416%	2	1.064158	hecly	
	Density of ice at the ice point	kg/m^3	9.1680000000E+02	4	1.4049323842E+02	0;E85E	-2.435%	2	0.975647	hecly	
	Specific heat of water	J/kg/K	4.1840000000E+03	4	5.0253975529E-01	6;0448	0.508%	-1	6.030477	dour	
	Surface tension of water at 25°C	N/m	7.1970000000E-02	4	8.3302868234E-02	0;EEE4	-0.037%	-1	0.999634	dour	
	photon energy at 540THz	J	3.5780775701E-19	7	5.5833700089E-18	1;0479373	3.228%	-16	1.032277	by-atomic	
	(according to the definition of candela)	cΩA	2.2332604586E+00	7	1.0070068745E+00	1;0101365	0.701%	0	1.007007	(1;00 for 536.24THz)	
	Buoyancy of saltwater (1.024)	P/m	1.0041728424E+04	6	8.6214183311E+02	5;EX1851	-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	3.1941548163E+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;4180306535		-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')	-	9.9800926890E+00	9	9.9800926890E+00	9;E91725108		0	9.980093		

Item			Precision	Raw Value	Dozenal		Power	Decimal	Prefix
α			9	7.2973525698E-03	1;07399404E		-2	1.050819	centy
$1/\alpha$			9	1.3703599907E+02	0;E50522588		2	0.951639	hecty
			9	1.3703599907E+02	B5;0522587E0		0	137.035999	
$\alpha^{0.5}$			9	8.5424543135E-02	1;0374439E3		-1	1.025095	dour
$(1/\alpha)^{0.5}$			9	1.1706237614E+01	0;E85846627		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	1.7220451519E+03	0;EE6066033		3	0.996554	kily
$\alpha/4\pi$			9	5.8070486648E-04	1;005E85688		-3	1.003458	milly
$4\pi/\alpha^2$			9	2.3598217784E+05	0;E46922174		5	0.948359	cosmic milly
$\alpha^2/4\pi$			9	4.2376081497E-06	1;07X1163E1		-5	1.054453	atomic kily
μ			11	1.8361526725E+03	1;09019E9995E		3	1.062588	kily
$\mu^9 \times \alpha^{(-11)}$			11	7.5920747658E+52	1;001XXX091E1		49	1.001105	sextty-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
$2^{^4}(-17)$ 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}		9.6873201751E-01	7	9.6873201751E-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	1.6513396227E-09	8;62E615		-9	8.520550	atomic dour
Brite scale 0.0		7.81361E-09	6	5.0107538268E-12	3;881496		-11	3.723032	atomic milly
apparent magnitude 6.0		1.02514E-08	6	6.5741014483E-12	4;X7473X		-11	4.884612	atomic milly
apparent magnitude 5.0		2.57505E-08	6	1.6513396227E-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;000000X68637		0	1.000000	
s_e / s_h			12	9.9999970531E-01	0;EEEEEE153586		0	1.000000	

factor

1.025

10^7 km / factor		1.0000000000E+07	9	3.5821621226E+07	0;EEE613129		7	0.999716	cosmic dour
10^9 s / factor		1.0000000000E+05	9	2.4975602396E+05	1;006500355		5	1.003713	cosmic milly
electron / factor		1.6021765649E-19	9	5.4092880502E-18	1;0001XE417		-16	1.000092	by-atomic
Density of ice at the ice point * factor		9.1680000000E-02	9	1.4400556938E+02	1;0000975X1		2	1.000039	hecty

Temperature

0° S

-74.360377

absolute zero	0K	-273.150000	9	-164.1907	-1;182356000		2	1.140213	hecty
coldest air recorded on the Earth	-89.4°C	-89.400000	9	-12.4220	-1;050928895		1	1.035167	dirac
	-78°C	-78.000000	9	-3.0062	-3;00X7737X8		0	3.006154	
	-55°C	-55.000000	9	15.9907	1;3EX800259		1	1.332562	dirac
	-32°C	-32.000000	9	34.9876	2;XEX277874		1	2.915636	dirac
	0°F	-17.800000	9	46.7162	3;X87162407		1	3.893013	dirac
	-9°C	-9.000000	9	53.9845	4;5E993328E		1	4.498711	dirac
melting point of ice	0°C	0.000000	9	61.4181	5;15025893X		1	5.118175	dirac
melting point of ice(VSMOW)	0.000089°C	0.000089	9	61.4182	5;150273099		1	5.118181	dirac
triple point of water	0.1°C	0.010000	9	61.4264	5;151490014		1	5.118863	dirac
maximum density point of water	3.98°C	3.980000	9	64.7054	5;4856XE53X		1	5.392116	dirac
	14°C	14.000000	9	72.9814	6;0E93XX8X6		1	6.081786	dirac
	15°C	15.000000	9	73.8074	6;19831X033		1	6.150615	dirac
	20°C	20.000000	9	77.9371	6;5E2E46531		1	6.494762	dirac
	25.5°C	25.500000	9	82.4799	6;X591285E4		1	6.873323	dirac
	37°C	37.000000	9	91.9783	7;7E8X66301		1	7.664860	dirac
	100°F	37.800000	9	92.6391	7;878040X64		1	7.719924	dirac
hottest air recorded on the Earth	58.8°C	58.800000	9	109.9841	9;1E98599X5		1	9.165340	dirac
	60°C	60.000000	9	110.9752	9;2E8521918		1	9.247935	dirac
	83°C	83.000000	9	129.9721	X;9E7E99334		1	10.831010	dirac
boiling point of water(ITS-90)	99.974°C	99.974000	9	143.9918	0;EEEX9X559		2	0.999943	hecty
boiling point of water(VSMOW)	99.9839°C	99.983900	9	144.0000	1;00000001E		2	1.000000	hecty
	100°C	100.000000	9	144.0133	1;0001XE910		2	1.000092	hecty

-7.814506E-07

61° S	14.022485	73.0000
78° S	37.026244	92.0000
100° S	99.983899	144.0000
3000; SK _h	6003.24 °C	