

Lollo: the age and speed of light. Summary of progress to date. 22/08/2011
 www.lollo.org.nz

Speed of light Currently around 298,198 km/sec, slowing at 24 km/sec/year. Supposedly constant at 299,792 km/sec. In table 1a below, light is the nuclide on the top line. Decay rate is .0002406 x c per 3 years.

Redshifts. Redshifts are quantized i.e. in jumps of .0002406 of a wavelength of light. (Bill Tifft, university of Arizona) The nuclide decay rates in table 1a are also quantized at 2.406, or .0002406 if you wish. The 2.41 is an approximation. Use 2.406 throughout.

Big Bang Theory. Redshifts are about decay, not about speeding away. This causes a problem for big bang astronomy.

Age of light. Light faster in the past. Billions reduced to thousands. Oldest light available to astronomers tonight is only thousands of years old. (900 redshifts of .0002406 between Earth and 1.35×10^9 light years out. This gives 1.5×10^6 light years average per .0002406 redshift. Today, 3 light years travel distance per .0002406 decrease in speed of light. Thus a minimum one half million times faster in the past.)

SYSTEMATIC FRACTIONAL RELATIONSHIPS IN RADIOACTIVE DECAY MEASUREMENTS 28/05/11

TABLE 1a The 2.41 group of radioactive nuclides. Note the decay constant of 2.41

Nuclide	Half Time	Fractional Relationship	Decay Constant
?	86.4	$2/3 \times 129.6$	$.03 \times 2.41$
?	43.2	$1/2 \times 86.4$	$.06 \times 2.41$
?	28.8	$2/3 \times 43.2$	$.1 \times 2.41$
Nd 144	21.6	$3/4 \times 28.8$	$.13 \times 2.41$
Th 232	14.4	$2/3 \times 21.6$	$.2 \times 2.41$
U 235	7.2	$1/2 \times 14.4$	$.4 \times 2.41$
Rb 87	4.8	$2/3 \times 7.2$	$.6 \times 2.41$
Lu 176	3.6	$3/4 \times 4.8$	$.8 \times 2.41$
?	(2.4)	$2/3 \times 3.6$	1.2×2.41
K 40	1.2	$1/2 \times 2.4$	2.4×2.41
Sm 148	.8	$2/3 \times 1.2$	3.6×2.41
Pt 190	.6	$3/4 \times .8$	4.8×2.41
Re 187	.4	$2/3 \times .6$	7.2×2.41
Hf174/Te130	.2	$1/2 \times .4$	14.4×2.41
?	.13	$2/3 \times .2$	21.6×2.41
?	.1	$3/4 \times .13$	28.8×2.41

TABLE 1b The 1.5 group of radioactive nuclides. Note the decay constant of 1.5

Nuclide	Half Time	Fractional Half Time	Decay Constant
U 238	4.6	$\frac{10}{9} \times \frac{1}{2.41}$	1.5
In 115	5.1	$\frac{10}{9} \times \frac{10}{9} \times \frac{1}{2.41}$	$\frac{9}{10} \times 1.5$
Cd 113	9	$\frac{9}{10}$	$\frac{10}{9} \times \frac{10}{9} \times 1.5 \times \frac{1}{2.41}$
Se 82 La 138 Sm 147 Gd 152	1.11	$\frac{10}{9}$	$1.5 \times \frac{1}{2.41}$

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NOTES.

1. 'Powers of ten' excluded. These may be found from the standard half life listings.
2. Decay constant = .693 / half life
Half life = .693 / decay constant
3. K 40. Published decay constant = 5.8
Half life = 1.2
U 238. Published decay constant = 1.5
Half life = 4.6

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