

Table RMT 9 - Standard Model of Simple Exponential Decay

CONSTANTS

e	1/e
2.178	0.45913682

MUSKETAQUID

Length (miles)	Tilt (ft/mi)	Vertical differential (ft)
22.5	5	112.5

yr timescale, time it takes for rate of rise on surface to decline to 1/e of its original rate

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τ	ΔZ	ΔZ_0	t/τ	e raised power
3.8	108.468095	112.5	-4.2763158	0.035839156

2 3 8

4.03190501 feet remaining at 16,000 years

4.24 feet remaining at 16,000 years

4.03 feet remaining at 16,250 years

0.21 feet difference in 250 years

0.00084 feet difference per year

0.00021336 mm difference per year