

The Math Explained in Detail

More than you ever wanted to
know!

Data for God-BigBang.com

Math Explained

$$T_{earth} = R e^{-lt_{genesis}}$$

where $R = 5.76 \times 10^{12}$ and l which is the natural log of 2 = 0.693

$$T_{earth} = -\frac{R}{l} e^{-lt_{genesis}}$$

$$-\frac{R}{l} = \frac{5.76 \times 10^{12}}{0.693} = -5.761 \times 10^{12}$$

$$T_{earth} = -5.761 \times 10^{12} e^{-lt_{genesis}}$$

To find the duration of earth time for a Genesis Day

we integrate the equation over the Genesis day

$$T_{earth} = -5.761 \times 10^{12} \left[e^{-0.693(t_2)} - e^{-0.693(t_1)} \right]$$

This formula allows us to convert a period of time from the Universe's /Genesis 1 time frame (tx -ty), to the corresponding time period in the Earth's time frame (T)

The Math From the Big Bang to Today

At the time of the Big Bang the Genesis and Scientific time was zero. To calculate the duration of earth time from the Big Bang to the end of day 6, we simply plug in 0 for t_1 and 6 for t_2 .

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.693(t_2)} - e^{-.693(t_1)} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.693(6)} - e^{-.693(0)} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.4.158} - e^{.0} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[0.01563 - 1 \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[-.98436 \right]$$

$$T_{\text{earth}} = -5.67 \times 10^{12} = \frac{-5.67 \times 10^{12}}{365} = .0155 \times 10^{12} = 15.5 \times 10^9 \text{ years}$$

The Math for the Duration of Day 1

To calculate the duration of Genesis Day 1 in Earth time frame simply plug in 0 for t_1 and 1 for t_2

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.693(t_2)} - e^{-.693(t_1)} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.693(1)} - e^{-.693(0)} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.693} - 1 \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[-0.500 \right] = \frac{2.8854 \times 10^{12}}{365} = 0.007905 \times 10^{12}$$

Or 7.905 Billion years for the duration of day 1

The Math for the Duration of Day 2

To calculate the duration of Genesis Day 2 in Earth time frame simply plug in 1 for t_1 and 2 for t_2

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.693(2)} - e^{-.693(1)} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-1.386} - e^{-.693} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[.25007 - .50007 \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[-0.25000 \right] = \frac{1.4425 \times 10^{12}}{365} = 0.003952 \times 10^{12}$$

Or 3.952 Billion years for the duration of day 2

The Math for the Duration of Day 3

To calculate the duration of Genesis Day 3 in Earth time frame simply plug in 2 for t_1 and 3 for t_2

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.693(3)} - e^{-.693(2)} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-2.079} - e^{-.9605} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[.12505 - .25007 \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[-0.12501 \right] = \frac{0.72133 \times 10^{12}}{365} = 0.00197635 \times 10^{12}$$

Or 1.976 Billion years for the duration of day 3

The Math for the Duration of Day 4

To calculate the duration of Genesis Day 4 in Earth time frame simply plug in 3 for t_1 and 4 for t_2

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.693(4)} - e^{-.693(3)} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-2.772} - e^{-2.079} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[.062536 - .12505 \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[-0.0625 \right] = \frac{0.3607 \times 10^{12}}{365} = 0.000988 \times 10^{12}$$

Or 0.988 Billion years for the duration of day 4

The Math for the Duration of Day 5

To calculate the duration of Genesis Day 5 in Earth time frame simply plug in 4 for t_1 and 5 for t_2

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.693(5)} - e^{-.693(4)} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-3.465} - e^{-2.772} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[0.03127 - .0625 \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[-0.03123 \right] = \frac{0.18061 \times 10^{12}}{365} = 0.0004936 \times 10^{12}$$

Or 0.4936 Billion years for the duration of day 5

The Math for the Duration of Day 6

To calculate the duration of Genesis Day 6 in Earth time frame simply plug in 5 for t_1 and 6 for t_2

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-.693(6)} - e^{-.693(5)} \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[e^{-4.158} - e^{-3.465} \right]$$

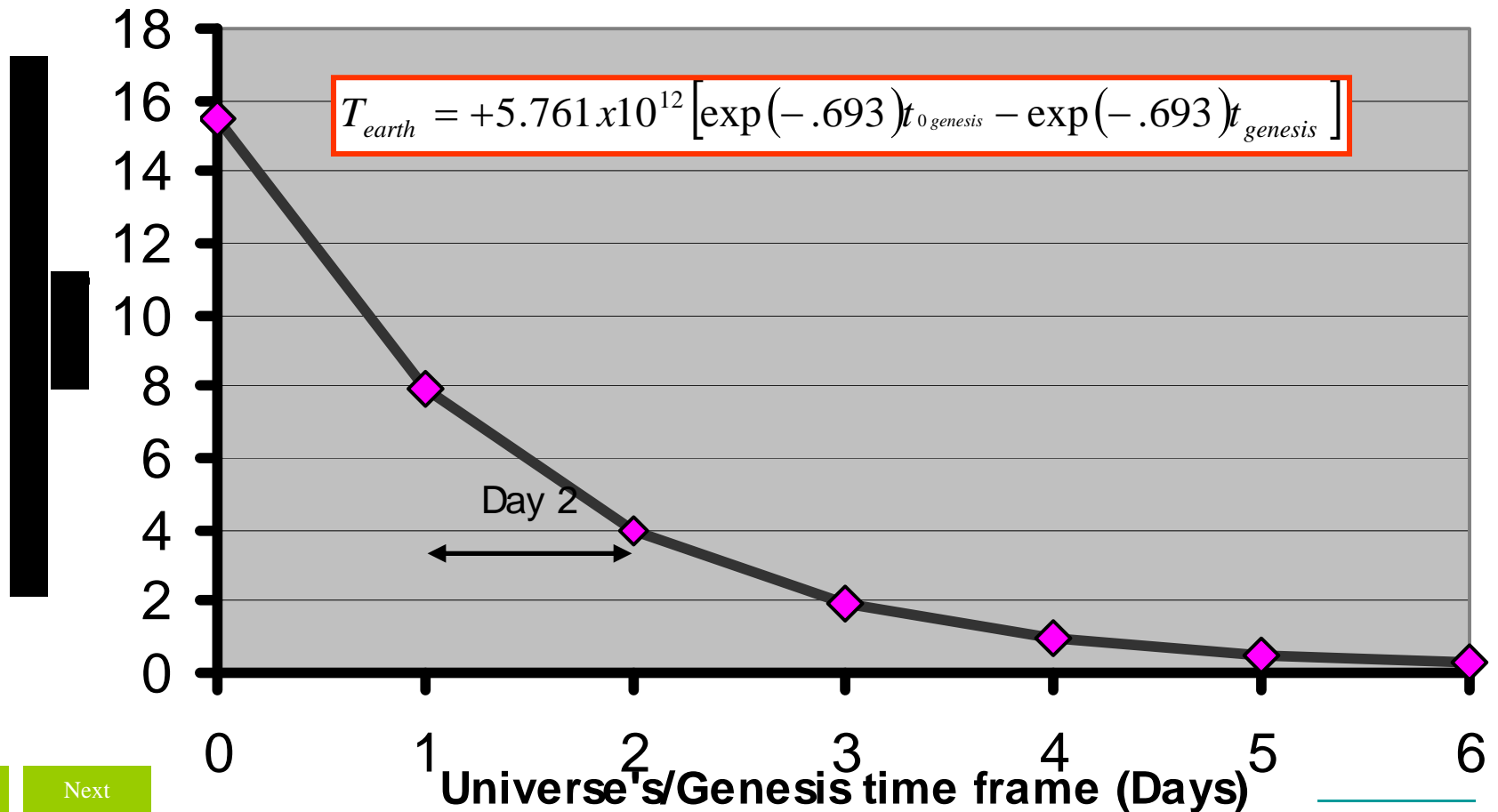
$$T_{\text{earth}} = -5.761 \times 10^{12} \left[0.01564 - 0.03127 \right]$$

$$T_{\text{earth}} = -5.761 \times 10^{12} \left[-0.01563 \right] = \frac{0.09020 \times 10^{12}}{365} = 0.00024712 \times 10^{12}$$

Or 0.24712 Billion years for the duration of day 6

Math Explained

Conversion of Earth's time frame, looking backward, to Universe's time frame, looking forward



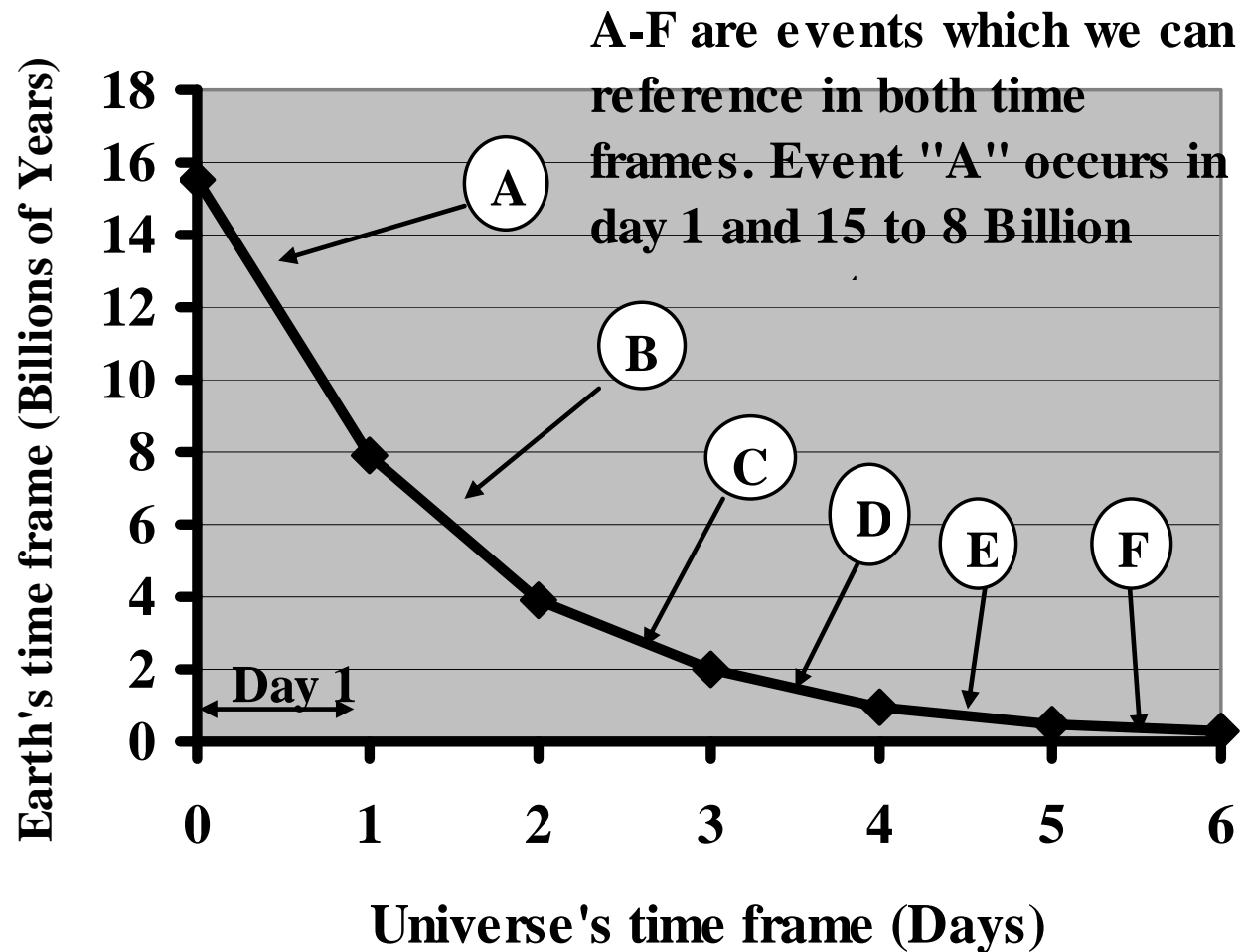
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Events in Both Time Frames

Corroborating events which occur in both time frames



FAQ

- **Why don't the numbers come out exact?**
 1. **For simplicity we are assuming a linear expansion of space/time which we believe is not accurate. But the only thing we know is the CBR at the BB beginning and now. We are trying to "fill in" the in between.**
 2. **We are just looking, with a very broad brush, at Genesis from an engineering perspective and the "numbers" come out surprisingly good**
- **What is this probability business?**
 1. **As a check on the formula we selected, we calculate the probability at each day of our formula being correct just by chance.**
 2. **For this type of series, where we have multiple results which the formula has to come up with, the Law of multiplication is required where we multiply the probabilities of each of the individual events to find out the probability of our formula being correct for all events.**
 3. **We thereby conclude that our formula definitely agrees with Genesis and today's science**

FAQ

- So what does this all mean?
 1. It means that thousands of years before science enabled us to understand Genesis, God had Moses write down how creation happened
 2. We have to consider the time frame when predictions are made through inspiration, not from Earth. “Behold I come Quickly”