

AMAZING MATHEMATICAL FORMULA RECONCILES THE BIBLICAL AND SCIENTIFIC AGES OF THE UNIVERSE!

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This amazing formula resolves the conflict between the Bible's statement that it took six literal days to create the universe and most scientists' insistence that it took 13.8 billion years. Personally I believe that the Bible's account of creation is literally true, but if you can't believe that God could make everything in six days of current time this might help you to believe the biblical account, so long as you have some knowledge of maths. I honestly don't know if my idea makes any sense to a physicist but I feel it's worth a shot, and it does seem possible to verify it to some extent, as you will read.

According to the Big Bang theory space expanded to accommodate all the material exploding from a single point of origin. In other words, space was created at the same time as matter was released. Initially space expanded very fast, but the rate of expansion decreased as time passed. However time is meaningless unless time was also created along with space. So let's suppose that time was also very compressed to start with and that it expanded rapidly at first and then gradually slowed down. What would that mean?

It would mean that in the beginning each second would take far less than a second now takes. So during one of our present seconds an enormous number of original seconds would initially have passed, enabling an awful lot to happen in that time. To us it would seem as though everything happened much faster than it does now.

Imagine another planet just like ours except that everything in it happened ten times as fast as it does on the earth. In a day of our time the inhabitants could achieve ten times as much as we can. On another planet where everything happened a hundred times as fast, the inhabitants could achieve a hundred times as much as we can in a day of our time.

I propose that initially time, like space, was infinitely compressed. Initially it expanded infinitely 'fast' but its rate of expansion decreased exponentially, until by the end of seven days of our current time it was more or less the same as time is now. This would mean that a great deal could have happened in the first day, and less and less as each day passed. Crucially, it would mean that in the time it takes for seven of our current 24-hour days to pass many, many more real days would have passed while the universe was being formed. In fact it could have taken 13.8 billion years of current time for the work to be completed. Hence creation could have taken place in six genuine days of current time, yet be 13.8 billion years old. Let's examine this idea more closely.

The book of Genesis is the first book in the Holy Bible, and in chapter 1 it describes how God created the universe in six days. It does mean six literal days, because it defines each day as 'evening and morning', using the Jewish custom of starting every new calendar day at sunset. Genesis gives the following sequence of creation:

- Day 1 – light
- Day 2 – the earth’s atmosphere
- Day 3 – separation of land and sea, and the creation of vegetation and trees
- Day 4 – sun, moon and stars
- Day 5 – fish and birds
- Day 6 – animals, reptiles, etc., and people

This doesn’t conform to any natural sequence – light before sun, and trees before stars! – so even with a theory of expanding time one cannot reconcile the Genesis account with any natural account of the creation of the world. However the order of events would appear more natural if the creation of the sun, moon and stars took place on Day 2 rather than on Day 4, and the subsequent events took place a day later. If this was the order in which God originally said he had made things, the current order in Genesis might have come about through a lapse of memory on someone’s part or it might have been changed on purpose by a scribe who believed that the earth was the centre of the universe and that it must therefore have been created before the sun, moon and stars were. If we make this single amendment to the current order of events in Genesis it appears to be much more natural.

Assuming a decreasing exponential rate of time expansion, the following formula will produce a decrease from 13.8 billion years for the age of the universe to 6000 years over seven days.

[6000 x (8 - n)]^{7.53}, where *n* is the day number

Hence, entering into the formula values of *n* from 1 to 7 for each day of creation we obtain the following apparent ages for each stage of creation:

- 1 1.38E+10 – light, energy, space and time began 13.8 billion years ago
- 2 4.32E+09 – sun, moon and stars were created 4.32 billion years ago
- 3 1.09E+09 – Earth’s atmosphere was created 1.09 billion years ago
- 4 2.04E+08 – separation of land and sea, creation of vegetation and trees
- 5 2.34E+07 – fish and birds were created
- 6 1.11E+06 – animals, reptiles etc., and people were created
- 7 6.00E+03 – God rested from his work of creation 6000 years ago.

With these *calculated* ages for each stage of creation, the theory can be tested against the estimated ages of the listed events as commonly accepted. For instance the age assigned to the formation of the solar system is generally 4.53 billion years. That is very close to the 4.32 billion years predicted by the formula.

Other ages listed in Wikipedia’s ‘Timeline of evolutionary history of life’ are as follows, in millions of years:

- fish 450 to 400
- land plants 360 to 220
- reptiles 225 to 100
- animals 170 to 4
- birds 110 to 25
- people 2 to 0.25.

Table 1 compares the age of each stage of creation as calculated by my formula with its generally accepted age. With the exception of fish the two sets of data match remarkably closely.

Table 1: Comparison of calculated and accepted dates for the formation of the world

Stage		Years ago		Original day number in Genesis
<i>n</i>	Description	Wikipedia article on the evolutionary history of life	Predicted by formula $6000 \times (8 - n)^{7.527}$	
1	'Big bang'	13.8 billion	13.8 billion ^a	1 ^b
2	Solar system	4530 million	4320 million	4
3	Earth's atmosphere	4500 to 1000 million ^c	1090 million	2
4	Vegetation and trees	360 to 35 million	204 million	3
5	Birds	110 to 25 million	23.4 million	5
6	Reptiles, animals and man	225 to 0.25 million	1.11 million	6
7	God rested	n/a	6000	7
3.5 ^d	<i>Fish</i>	450 to 400 million	495 million	5

^a Matched to scientific estimate, so not predicted.
^b Equating "Let there be light!" with the big bang.
^c 4500 million first atmosphere, 1000 million formation of oxygen.
^d In order to match the evolutionary date given to fish, we have to assume that fish were created midway between days three and four, instead of on day five as the Bible says.

Apart from the fish date, my predicted dates based on a revised order of events in Genesis match the generally accepted scientific dates pretty well. They match very well indeed the scientific dates for the cosmological events that preceded the supposed emergence of life. And as I have explained in my book *Z: Answers for the Final Generation*, the dates commonly assigned to the emergence of various life forms are based on very dubious evidence. If palaeontologists were to announce in the future that the first fish appeared much later than they originally thought, in fact at much the same time as birds, it would add immense credence to my little theory and perhaps even make me famous!

Personally I take the Bible's account of creation at its face value, so I'm not actually convinced that my theory is true. The universe could only have been created supernaturally, as I explained in my other book *Z: The Final Generation*, and if God created it supernaturally then he could have done it in any period of time he chose, even instantaneously!

Nevertheless, it would be very nice if my little theory were true. It would explain why I never seem to achieve so much in a day as I used to. It's not because I am growing old: it's because time is still expanding!

THIS ARTICLE IS AN EXTRACT FROM MY BOOK, 'Z: Answers for the Final Generation - Is the Bible true after all? A new look at the evidence before Christ returns.' You can buy it post free from my website www.booksforlife.today.