



Chapter Two

THE FINE TUNING OF THE UNIVERSE

The phenomenon of the fine tuning of the universe is possibly the most powerful piece of scientific evidence showing that God created the universe.

In his book, “Is Atheism Dead?” Eric Metaxas tells the story about the world-famous atheist, the late Christopher Hitchens, who when asked what the best evidence the Christians had was,—said “The fine-tuned answer.” This is certainly a major problem for Atheists as it is certainly very solid evidence that a supreme being designed and created the universe.

I think this fine tuning is best explained by example. Scientists have identified more than 200 features of the universe which if they differed very slightly from their values would result in the universe being unsuitable for life to exist on earth or anywhere else in the universe for that matter. Many of those slight differences are so small that they are far smaller than anything we can begin to imagine.

For example: If the universe were expanding a little bit slower, we would have a gravitational re-collapse, everything would fall back onto itself—if it was faster the matter would dissipate too quickly, and we would end up with what’s called the heat death of the universe. The

expansion rate of the universe is exquisitely finely tuned to about one part in 10 to the power 60 (i.e., 1part in a trillion, trillion, trillion, trillion, trillion).

Another example is that earth is just the right distance from the sun with just the right axial tilt. The magnetic force is just right. The moon is just the right size and distance from the earth and traveling at just the right speed to adequately control the earth’s rotation wobble. The Sun must be almost middle-aged to get the necessary stability and minimal flaring. Those examples are only a few of more than 200.

The famous astrophysicist Dr. Hugh Ross (2018) provided the following table to show just how rapidly science is developing in this regard.

COSMIC DESIGN FOR SIMPLE LIFE	
KNOWN FEATURES	
YEAR	NUMBER OF FEATURES
1991	17
1995	26
2001	35
2004	86
2006	140
2023	200+

There are a few things to note about this table. It is right up to date with the latest data being from 2023. It also shows just how fast science is advancing. As it advances it provides more and more evidence for God. We will see this same trend when we look at the origin of life on earth as well as the origin of species. With every passing year the scientific evidence for God increases. This is the reverse of what many atheists were

anticipating. Every year the scientific support for atheism fades more and more.

The enormity of the significance of fine tuning is sometimes illustrated by asking people to picture 200 clocks on a wall. Each one of these clocks represents one of the features we are talking about. That would be five rows of forty clocks. Now picture each of these clocks with one hand a very tiny fraction to the left of the 12 and one a very tiny fraction to the right. The reality is that if you moved any one of these hands a tiny fraction (say a millionth of a millimeter) further away from or closer to the 12 the universe would no longer be suitable for human habitation.

Now let's picture the mind of the designer. Let's just look at those clocks on that wall and think about the IQ of the mind that can produce such a design. I think there have been some people with exceptional IQ's of around 200+. You probably need to multiply that by a large number to get to the IQ of the designer of the universe if the design was to be possible in terms of human understanding. It is simply not.

The design incorporates an infinite number of details of every galaxy, every solar system, every planet including earth, every moon and so on. I think the human knowledge required to fully understand the universe would be trillions of times greater than that of all the people on earth put together.

As mentioned before, atheists find the fine-tuned universe to be a huge challenge, so they have postulated a multiverse which they propose contains a huge (maybe infinite number) of universes. They say all these universes are different and we just happen to live in one where all the factors are just right. The famous author of the book, "The God Delusion," Richard Dawkins insists that beliefs must be based on

evidence. Yet when it comes to the multiverse in which he passionately believes; he has no evidence!

In conclusion the evidence in Block 2 shows that: The universe had a designer. This designer must have been non-physical, all powerful, able to work in infinite space and eternal. Once again God comes to mind as the most likely candidate.