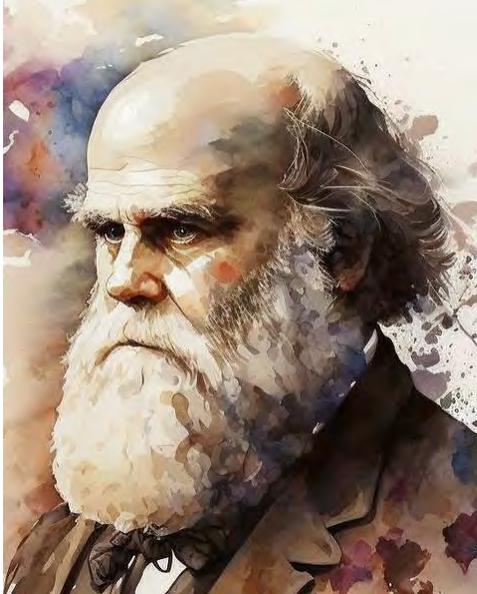


So you have a hard time figuring out just how [God](#) can be involved.



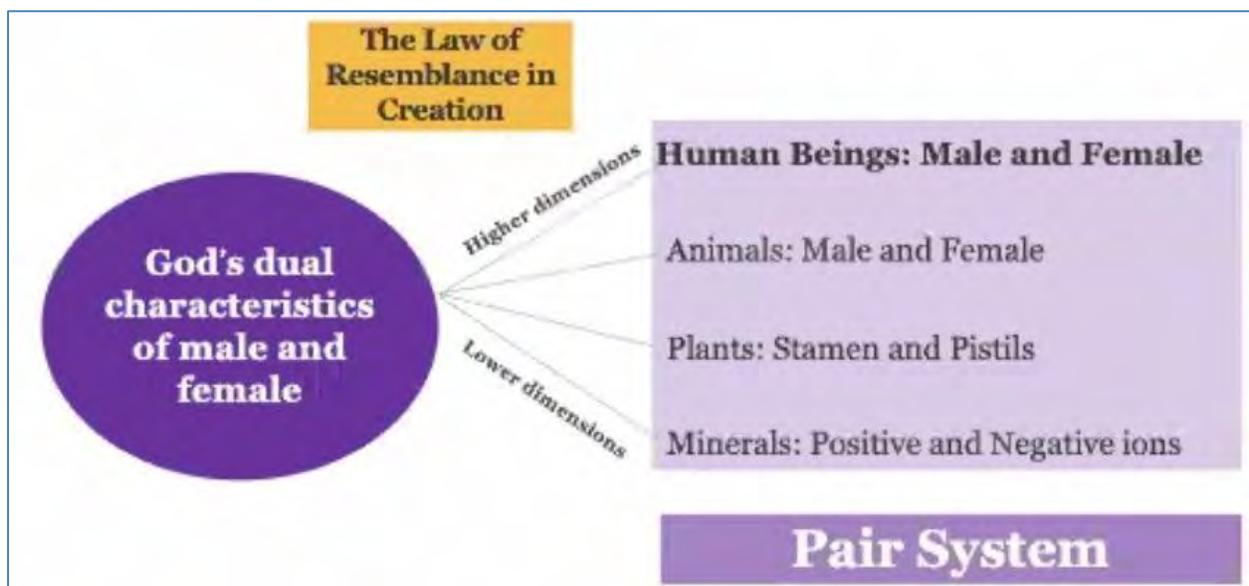
Charles Darwin in water colour

And Darwin himself said, you don't really need [God](#) to explain evolution.

Whereas my position - evolutionary creationism - starts with [God](#) and shows that [God's](#) principles demonstrate the phenomena of nature that scientists call evolution.

So the Principles of Creation in the [Unification teachings](#) is the philosophical ground for connecting religion and science.

And there are a few points in the Principles of Creation that are basic.



Extract from a slide used by Dr. Jin-su Hwang - Not used in Dr. Wilson's illustration

First, God's form is duality in relationship. [God](#) is a being of duality, of masculinity and femininity. And these are in constant harmony in relation with each other. And [God](#) created everything in the universe to make "[object partner relationships](#)" the form of [God's](#) self.

So just as [God](#) is a being whose parts are relating to each other, the universe is composed of pairs of male and female creatures.

Even in the world of astronomy, things are in relationship. Planets are in relationship with their central star and so on.

And all of those "[object partner relationships](#)" are manifesting at some level the form of [God's](#) own self.

Male and female join and take [God's](#) form in conjugal union and then co-create offspring as their second self.

Unificationists call this origin-division-union (O-D-U).

And so [God](#)'s purpose for creating the universe is to have an "[object partner relationship](#)" with it, to have a relationship with a universe that [God](#) can relate with personally and intimately.

And [God](#) can do that through human beings who stand as the crown of creation.

Furthermore, human beings are the mediators who can comprehend the universe, the physical world, through science, and connect it with God through their spirituality.

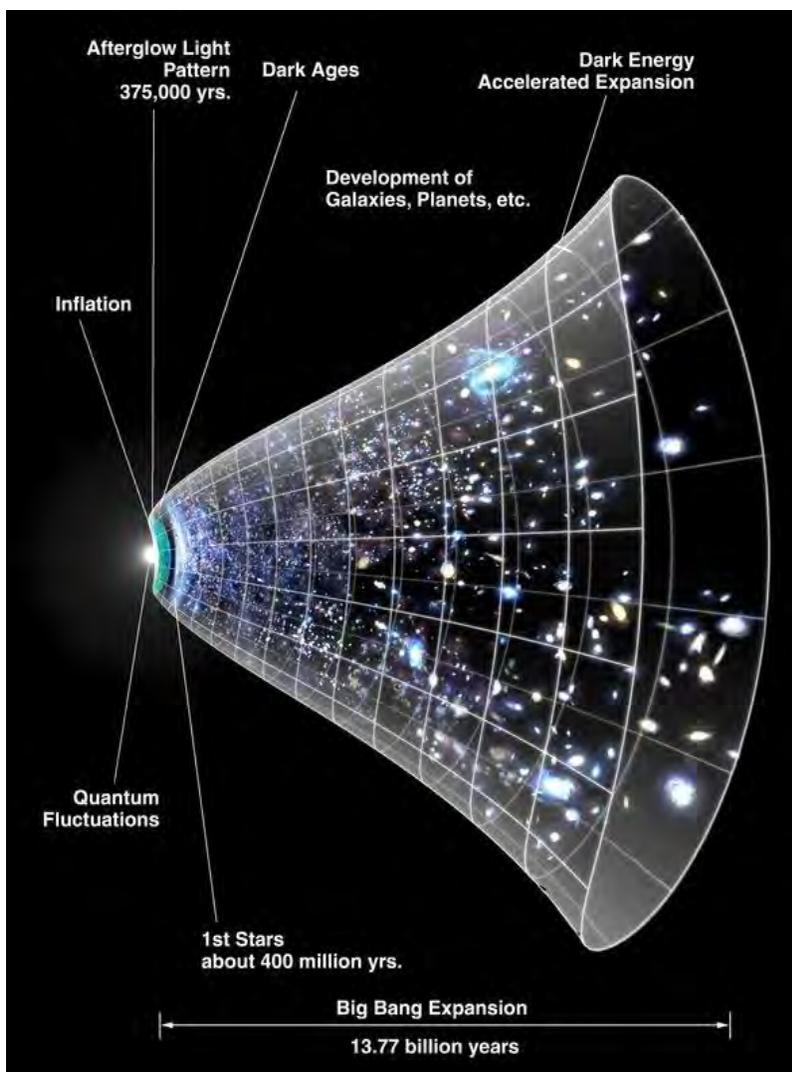
So human beings are like the linchpin of [God](#)'s creation.

That makes creation meaningful to [God](#), the Creator, who created the universe.

	1 st Day	2 nd Day	3 rd Day	4 th Day	5 th Day	6 th Day
Bible Genesis 1:1-31	light darkness	waters under/above the firmament	ocean land plants	sun moon stars	fish birds	mammals human beings
Science	"Big Bang" plasma	Earth's formation	oceans simple plants	oxygenated atmosphere	fish dinosaurs	mammals, humans
	Azoic	Archeozoic	Proterozoic	Paleozoic	Mesozoic	Cenozoic

Illustration used by Dr. Andrew Wilson during his presentation 23rd April 2024

So the Principles of Creation says that everything grows, everything develops, nothing is created fully formed.



Timeline of the universe. A representation of the evolution of the universe over 13.77 billion years. The far left depicts the earliest moment we can now probe, when a period of "inflation" produced a burst of exponential growth in the universe. (Size is depicted by the vertical extent of the grid in this graphic.)

Adam and Eve weren't created fully formed as adult man and woman. They were created to grow through stages of growth, like everything. Beings grow through three stages - formation, growth, and completion - to reach perfection and fulfill the principle.

So [God](#) created the universe and had it develop through stages. And this correlates somehow with the

Bible's depiction of creation in six days.

The point about growth through stages is that there's purpose at the end of that growth.

It's not just evolution by chance and accident, drifting along so that something can emerge. There is already a purpose and a goal behind growth. So stars, planets, living beings, everything emerged for purpose.

Let there be light!

For the next several billion years, the expansion of the universe gradually slowed down as the matter in the universe pulled on itself via gravity.

More recently, the expansion has begun to speed up again as the repulsive effects of dark energy have come to dominate the expansion of the universe. The afterglow light seen by WMAP was emitted about 375,000 years after inflation and has traversed the universe largely unimpeded since then.

We might say that from the time of the Big Bang, which correlates with scripture, [God](#) said, "Let there be light!"

There has been the development, through millions of years, of various forms of atoms, molecules, proteins, and finally creatures who can even contemplate the universe that they were created in. That's what we have today in human beings who can study the universe and understand it.

So modern cosmology could be consistent with creation: the universe, beginning from one point, like the Bible says, [God](#) created by saying, "Let there be light!" And that pure energy, the light at the moment of creation was, in fact, a super-hot plasma that cooled to form atoms, stars, and planets.

And the outcome of all of that creative work is intelligent beings who can comprehend the whole. And how could that be? It seems like a lot.

The fine-tuned universe: Evidence of Creation

So we have this issue, which in cosmology is called the Anthropic Principle.

And behind the Anthropic Principle is the idea that the universe was finely tuned so that the outcome would be intelligent life and specifically human beings. I take this as evidence of creation.

So, in other words, that the universe is fine-tuned so that life could emerge, and therefore, human beings did not arise by chance.

It was in the design of creation itself, through the laws and mathematics and physical constants, that entities in the universe would form in stable arrays that could develop into stars and planets that could go around stars, that could have stable atmospheres and temperatures such that life could emerge in them.

And it's finely tuned because even a small change in the physical constants that govern the development of the universe would make it unfit for life.

The universe would either expand, contract or blow up, or it would expand so rapidly that nothing would congeal into stars.

But in fact, the universe is fine-tuned so that everything works out, such that there can be the planet Earth, where human beings can live and develop science in which they could contemplate the universe.

And there are many, many pieces of evidence that indicate this fine-tuning.

And I'm not even going to go into it because it's all very technical and has peculiar properties, like

Water - when water freezes, it floats instead of sinks.

The gravitational constant - if it were too weak, the planets and stars would not form. If it was too strong, the stars would burn up too quickly.

The strong nuclear force - if it were only 2% weaker, no helium or heavier atoms would be formed from hydrogen. It had to be the right amount.

The cosmological constant - which is the balance of gravity's attractive force with the repulsive force of quantum energy of the vacuum. It had to be fine-tuned to 1 part in 10¹²⁰.

The ratio of the electromagnetic force to the gravitational force between a pair of protons - If it were too small, the universe would be very short-lived because the protons would all collapse on each other due to gravity. And if it was too big, larger atoms like iron would never be generated.

The ratio of the mass of the proton to the electron - had to be exactly so for building blocks of life to be formed.

A certain energy state of carbon nucleus (the Hoyle resonance, 7.656 MeV) had to be just so for nuclear reactions within stars to burn helium to produce carbon and oxygen in ample amounts.

All of these are fine-tuned. It is evidence of fine-tuning.

To be continued. Part 2 coming soon.

"Evolutionary Creationism - Fine-Tuned Universe" - text. Dr. Andrew Wilson

Related to evolutionary creationism: [Existence of God](#)

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Existence of God

Eminent scientists face the existence of God

Traditionally, it is religion that has inspired people to believe in [God](#). In our time, however, science has begun to discover the existence of [God](#).

Antony Flew (1923-2010), English professor of philosophy and outspoken atheist since his teens, shocked his colleagues in 2004 when he stated that [God](#) probably did exist. Three years later, he published the book *There Is A God: How the World's Most Notorious Atheist Changed His Mind*.

Flew had always said that there was no evidence for the existence of [God](#). New scientific research made him, however, a believer.



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The Guardian

"Speaking in a new video, Has Science Discovered [God](#)? Flew argues that the investigation of DNA 'has shown, by the almost unbelievable complexity of the arrangements which are needed to produce [life], that intelligence must have been involved.'

The first indication of his about-turn came in a letter to Philosophy Now magazine, in which he said: 'It has become inordinately difficult even to begin to think about constructing a naturalistic theory of the evolution of that first reproducing organism.' Flew [...] said: 'My whole life has been guided by the principle of Plato's Socrates: follow the evidence, wherever it leads.'"

(*Atheist finds 'God' after 50 years*, an article by Laura Smith in the Guardian (London) 11th Dec. 2004.

Flew is not alone to lose faith in an atheism / naturalism that preaches physical coincidence as the origin of life and the universe. Many things point to the fact that intelligence is a far better explanation of how it all began. Modern science has discovered how incredibly fine-tuned everything is. Precise genetic instructions carried by the DNA are essential for the functioning, development and reproduction of all organisms known to us.

Discoveries in biochemistry, physics, cosmology and quantum mechanics have shown us that carbon-based life requires a fine balance between physical and cosmological quantities. Only carbon can form the long molecules required for life to exist.

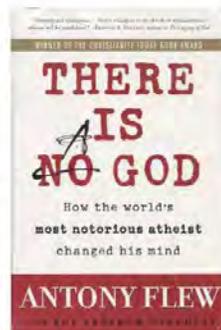
Even slight changes in any of those quantities would make that essential balance impossible. Life as we know it, would then not be able to exist.

Many scientists have concluded that such a delicate balance could not come about in a random way. This is widely regarded as a proof of divine design, even a proof that [God](#) must exist.

Science has found that even the Big Bang was fine-tuned in an amazing way. The initial conditions of the Big Bang show that it evolved smoothly – if the Big Bang had evolved unevenly, the result would have been a cosmos like a turbulent sea, made up of black holes. Sir Roger Penrose, the distinguished British mathematical physicist, calculated that the chance of an even start would be an incredible 1 in $10^{10^{123}}$. Only a designer would have been able to fine-tune the Big Bang to such a degree.

"Existence of God" – text: Knut Holdhus

[More about God](#)



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