

1 **God, Philosophy,****and Science**

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2 **Arguments for God**

- Major philosophical arguments for God:
 - Cosmological argument
 - Teleological argument
 - Moral argument

3 **Arguments for God**4 **Design Argument**

- William Paley (1743-1805) was a British philosopher and clergyman.
- In the book, *Natural Theology*, he offered an argument for the truth of the Creator and His work.

5 **Design Argument**

- The stone is a "natural" object, just like other stones.
- The watch is in a separate category. It displays planning and craftsmanship, beauty and usefulness.
- A watch requires a watchmaker.
- Design requires a Designer.

6 **Return of the God Hypothesis**7 **Origin of Science**

- Christian theologians referred to nature as a book (the book of nature).
- We find support for this is Psalm 19 (in the OT) and Romans 1 (in the NT).
- Natural philosophers also referred to nature as a clock. They also talked about the "laws of nature."

8 **Materialism**

- The three figures established a comprehensive materialism:
 - Darwin, from biology, told us where we came from.
 - Marx, with a secular eschatology, told us where we are going.
 - Freud, with psychology, told us what to do with the human condition.

9 10 **Origin of the Universe**

- Dating back to classical antiquity, most philosophers (Aristotle) thought that the universe existed forever. Jewish and Christian philosophers argued that the idea of creation *ex nihilo* implied that the universe had a beginning.
- Astronomers started to argue that the universe could not be infinite.

11 **Origin of the Universe**

- Edwin Hubble, using the most powerful telescope in the world, calculated that the Andromeda galaxy and other galaxies were receding from earth.

- Other scientists also reported the the light from these galaxies was shifted to to the red part of the spectrum (the doppler effect).

12 **Origin of the Universe**

- Robert Jastrow, *God and the Astronomers*:
- "For the scientist who has lived by his faith in the power of reason, the story ends like a bad dream. He has scaled the mountains of ignorance; he is about to conquer the highest peak; as he pulls himself over the final rock, he is greeted by a band of theologians who have been sitting there for centuries."

13

14 **Solar Eclipse**

15 **Anatomy of Solar Eclipse**

16 **Copernican principle**

17 **The Universe is Just Right**

18 **A "Just Right" Universe**

Finely tuned parameters for universe:

- constant in equation for gravity
- constant in electromagnetism
- strong and weak nuclear forces
- ratio of proton to electron mass

19 **A "Just Right" Universe**

Finely tuned parameters for universe:

- constant in equation for gravity

$$F = G \frac{m^1 m^2}{r^2}$$

- This gravitation constant (G) could not vary by more than 1 in 10^{60} parts.

20 **Gaseous Pillars**

21 **A "Just Right" Universe**

Finely tuned parameters for planet:

- Earth's size
- Earth's distance from the sun
- Earth's axial tilt

22 **Earth's Size**

23 **Earth's Distance from the Sun**

24 **Earth's Axial Tilt**

25 **Earth's Temperature**

26 **Earth's Moon & Diurnal Tides**

27 **A “Just Right” Universe**

Finely tuned parameters for solar system and galaxy:

- Earth’s Large planets (Jupiter, Saturn)
- Within the spiral arms (less harmful radiation, etc.).

28 **Jupiter and Saturn**29 **Solar System**30 31 **Fine Tuned Parameters**32 **Probability of Life**

- What is the probability for occurrence of all 816 parameters?
- The probability of these occurring by chance is one in 10^{1054} .
- This is an enormous number, but astronomers point out the universe is vast with lots of planets.

33 **Probability of Life**

- So how many stars in the universe?
- There are 10^{22} stars in the universe. Let’s estimate there is one planet per star.
- To determine how many planets we would expect to be suitable for life, we multiply the two numbers together:

$$10^{1054} \times 10^{-22} = 10^{1032}$$

34 **Probability of Life**

There is less than one chance in 10^{1032} that even one life-support body would occur anywhere in the universe without invoking divine miracles.

35 **Return of the God Hypothesis**36 37 **DNA and the Genetic Code**

- Evolutionists have assumed they could explain “design without a designer.”
- The structure of DNA began to unravel the materialist understanding of life.
- The chemical subunits of DNA function just as letters in a written text of digital characteristics in computer software.

38 **Biological Information**39 **Biological Information**40 **Biological Information**41 **Genetic Code**

- We assume that when we find a code, there must be a code creator.
- Scientists use terms associated with language and intelligence.
 - DNA is “transcribed” into RNA.
 - RNA is “translated” into proteins.

42 **DNA is Like Computer Code**

43 **DNA is Like Computer Code**

44 **Intelligent Design**

45

46 **The Multiverse**

47 **Multiverse**

"Over the past 500 years, the progress of science has worked to strip away God's role in the world."
Sean Carroll - *Science and Christianity*

48 **Multiverse**

"M-Theory predicts that a great many universes were created out of nothing. Their creation does not require the intervention of some supreme beings or god. Rather, these multiple universes arise naturally from physical law."
Stephen Hawking - *The Grand Design*

49 **Multiverse**