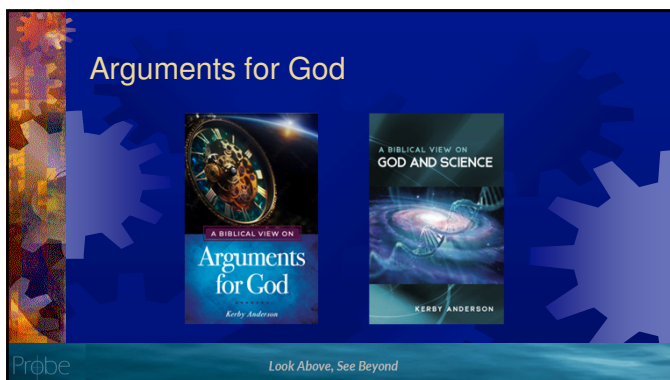


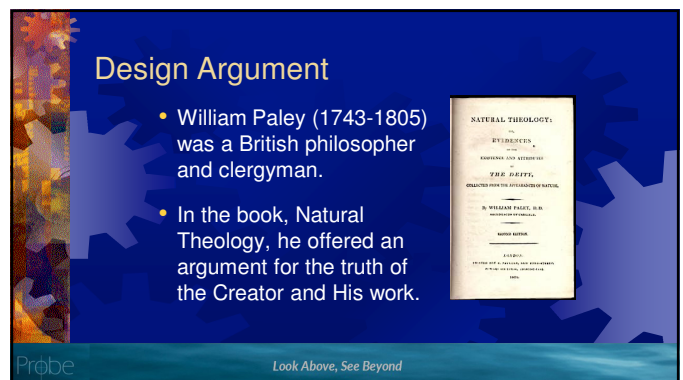
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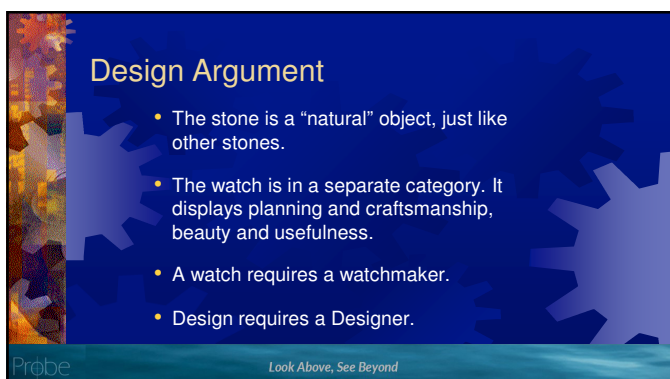
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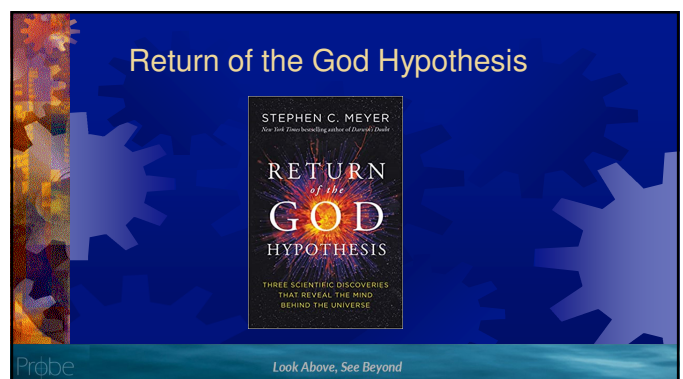
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6

## Origin of Science

- Christian theologians referred to nature as a book (the book of nature).
- We find support for this in 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."

Probe Look Above, See Beyond

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## 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.

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## Origin of the Universe



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## 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.

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## 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 that the light from these galaxies was shifted to the red part of the spectrum (the doppler effect).

Probe Look Above, See Beyond

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## 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."

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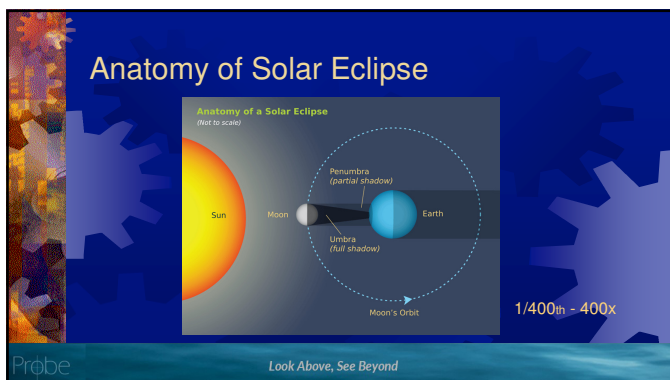
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## A “Just Right” Universe

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.

Probe

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## Gaseous Pillars



Eagle Nebula

Probe

Look Above, See Beyond

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## A “Just Right” Universe

Finely tuned parameters for planet:

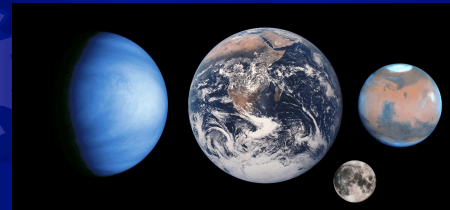
- Earth's size
- Earth's distance from the sun
- Earth's axial tilt

Probe

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## Earth's Size



Probe

Look Above, See Beyond

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## Earth's Distance from the Sun

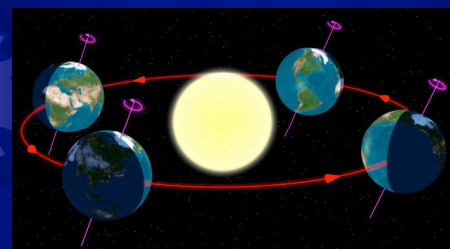


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## Earth's Axial Tilt



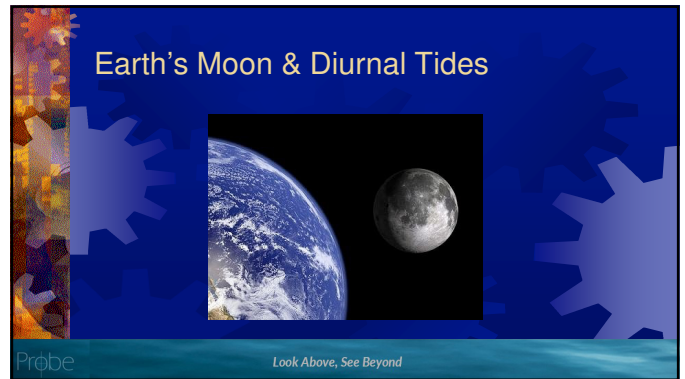
Probe

Look Above, See Beyond

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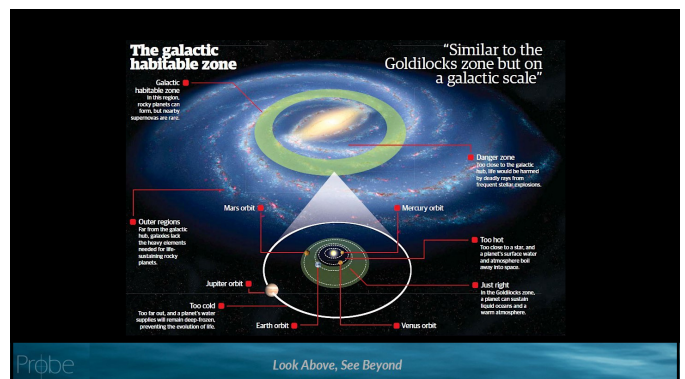
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## Fine Tuned Parameters



INTELLIGENT DESIGN

List of Fine-Tuning Parameters

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## 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.

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## 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:

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

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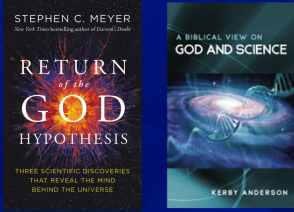
## Probability of Life

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.

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## Return of the God Hypothesis



STEPHEN C. MEYER  
New York Times bestselling author of *Darwin's Doubt*

RETURN of the GOD HYPOTHESIS

THREE SCIENTIFIC DISCOVERIES THAT REVEAL THE MIND BEHIND THE UNIVERSE

A BIBLICAL VIEW ON GOD AND SCIENCE

KERBY ANDERSON

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## Intelligent Design in Biology



THE ORIGIN OF SPECIES

CHARLES DARWIN

THE ORIGIN OF SPECIES

I. Galton

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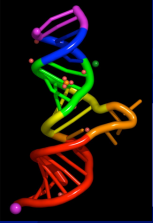
### DNA and the Genetic Code

- 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.

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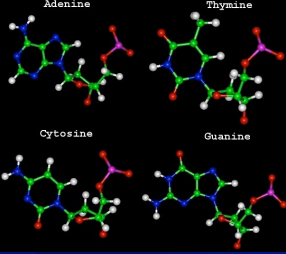
### Biological Information

Letters	Nucleotides	
Words	Codons	
Sentences	Genes	
Book	Chromosome	
Library	Genome	

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### Biological Information

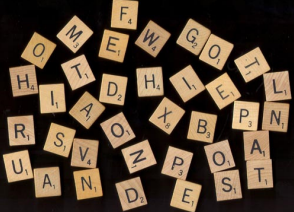


Adenine      Thymine  
Cytosine      Guanine

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### Biological Information



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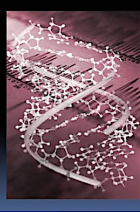
### Genetic Code

- 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.

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### DNA is Like Computer Code




“The machine code of the genes is uncannily computer-like”  
—Richard Dawkins, *River Out of Eden*, (1995).

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## DNA is Like Computer Code

"DNA is like a computer program, but far, far more advanced than any software we've ever created."



BILL GATES

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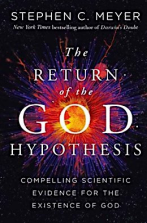
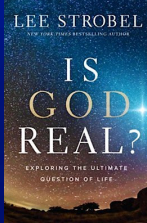
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## Intelligent Design




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## The Multiverse

Probe Look Above, See Beyond

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## 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*

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## Multiverse

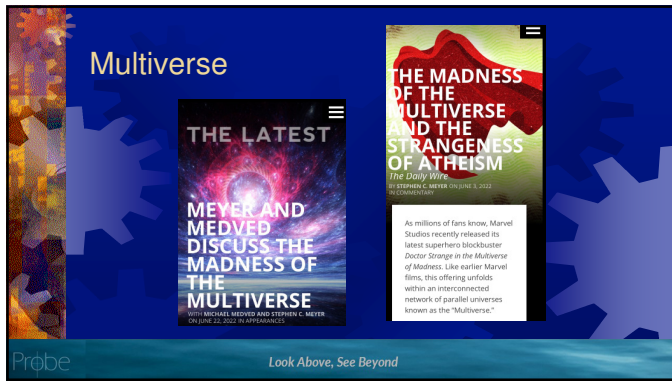
"M-Theory predicts that a great many universes were created out of nothing. Their creation does not require the intervention of some supreme beings or god. Rather, these multiple universes arise naturally from physical law."

Stephen Hawking - *The Grand Design*

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