



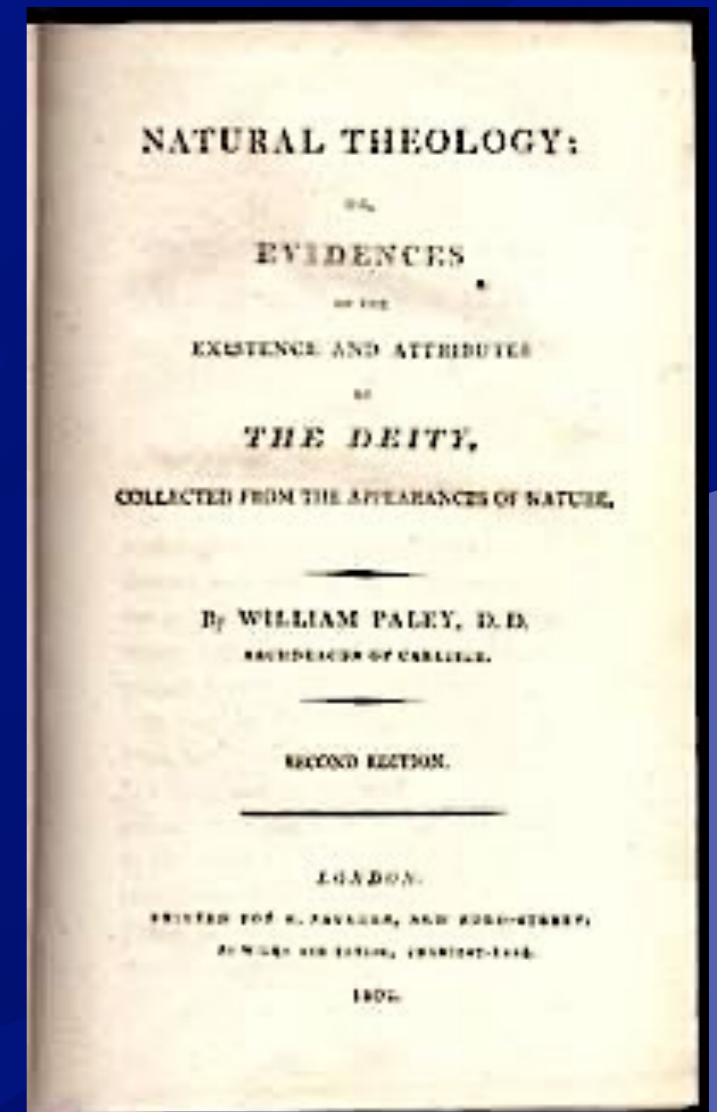
God, Philosophy, and Science

Arguments for God

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

Design Argument

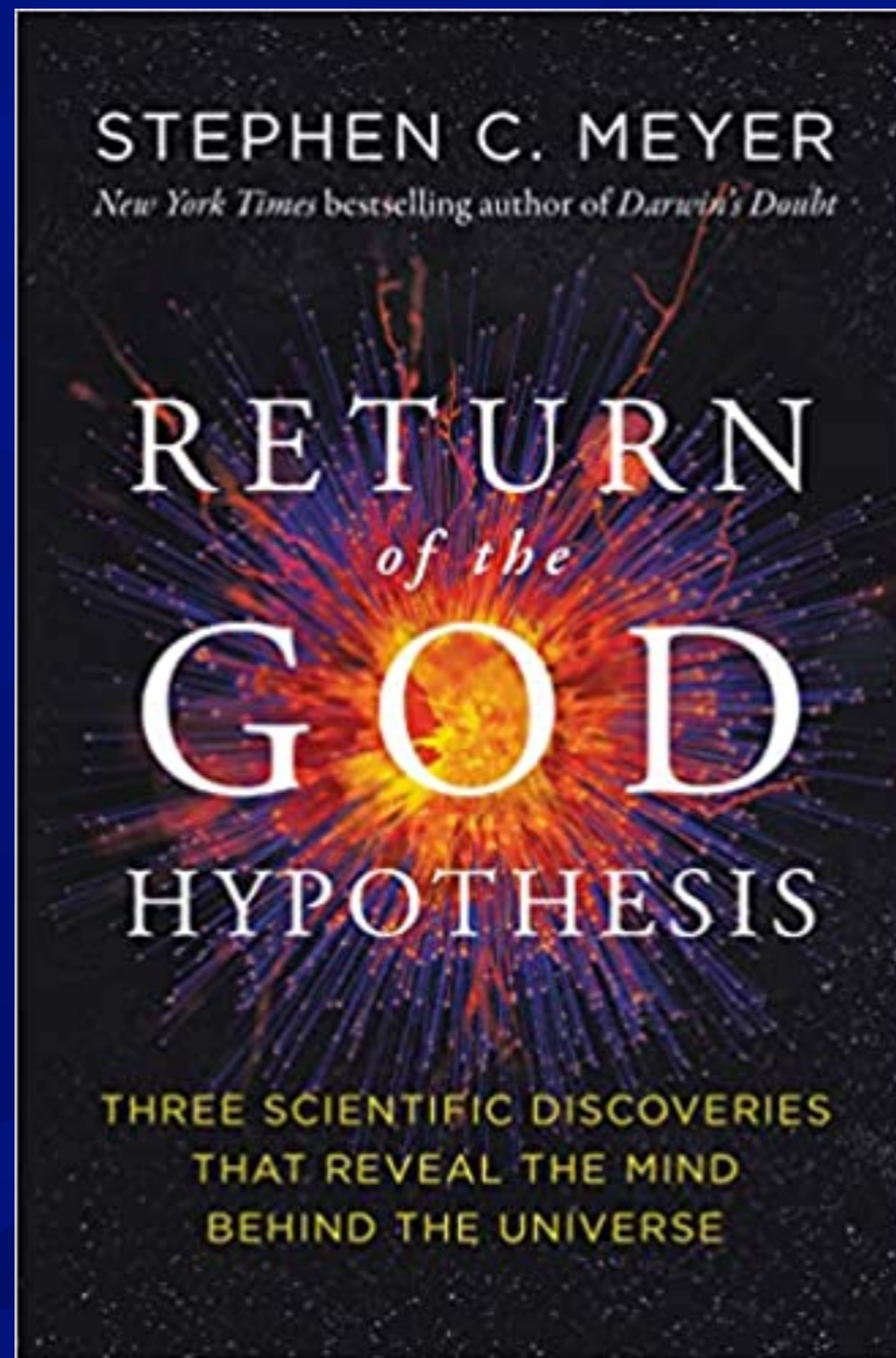
- William Paley (1743-1805) was a British philosopher and clergyman.
- In the book, *Natural Theology*, he offered an argument for the truth of the Creator and His work.



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.

Return of the God Hypothesis



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.”

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.

Origin of the Universe



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.

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).

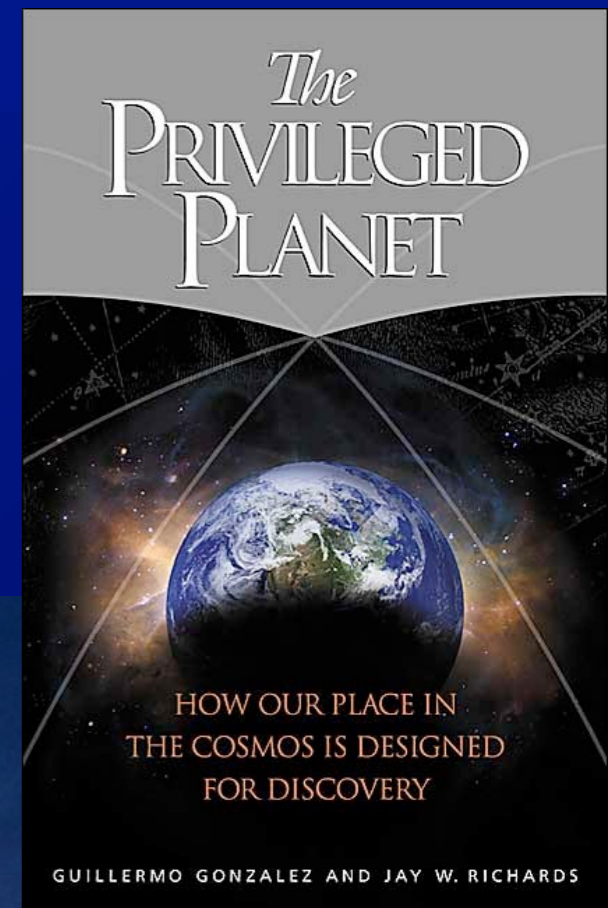
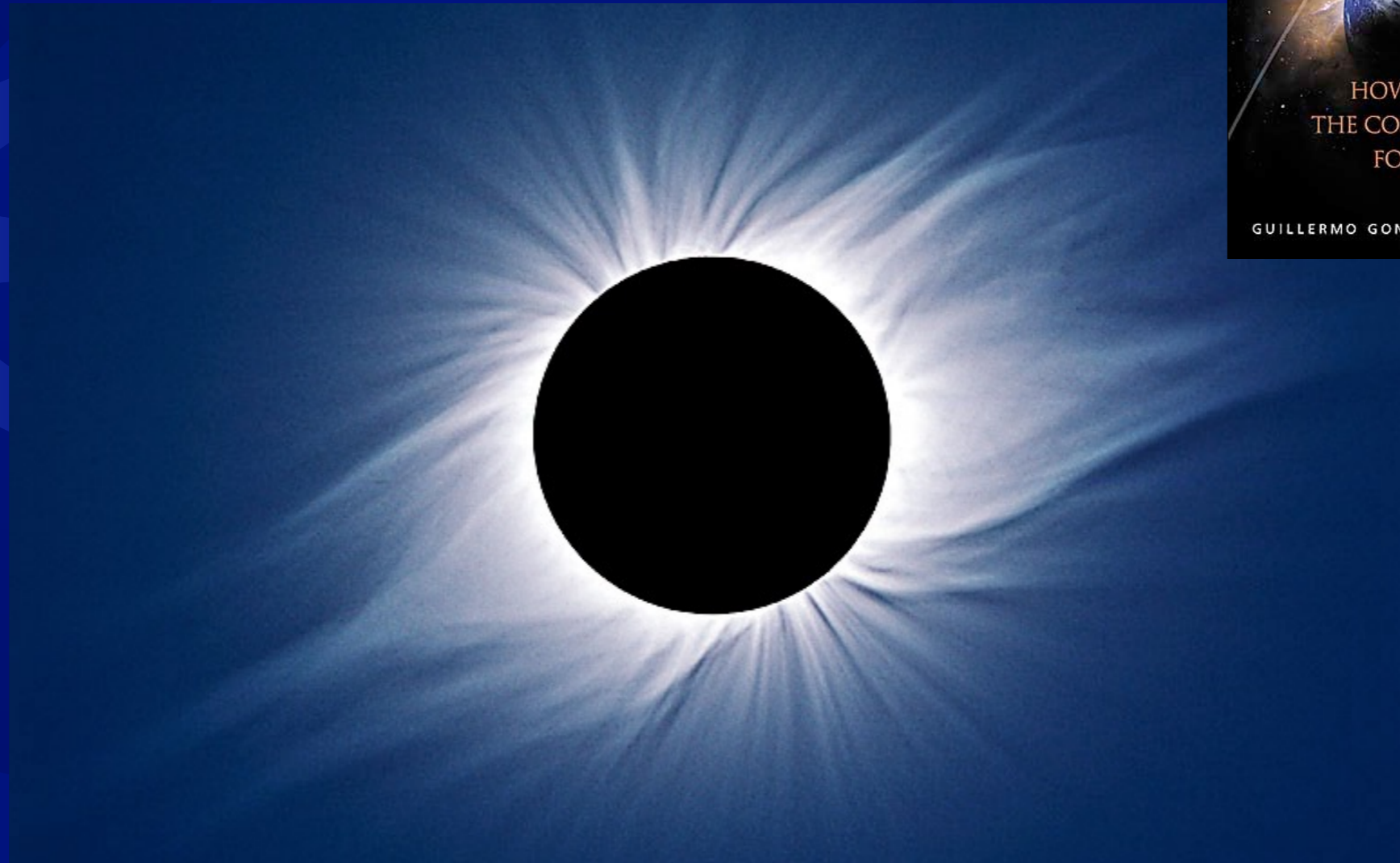
Origin of the Universe

- 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.”

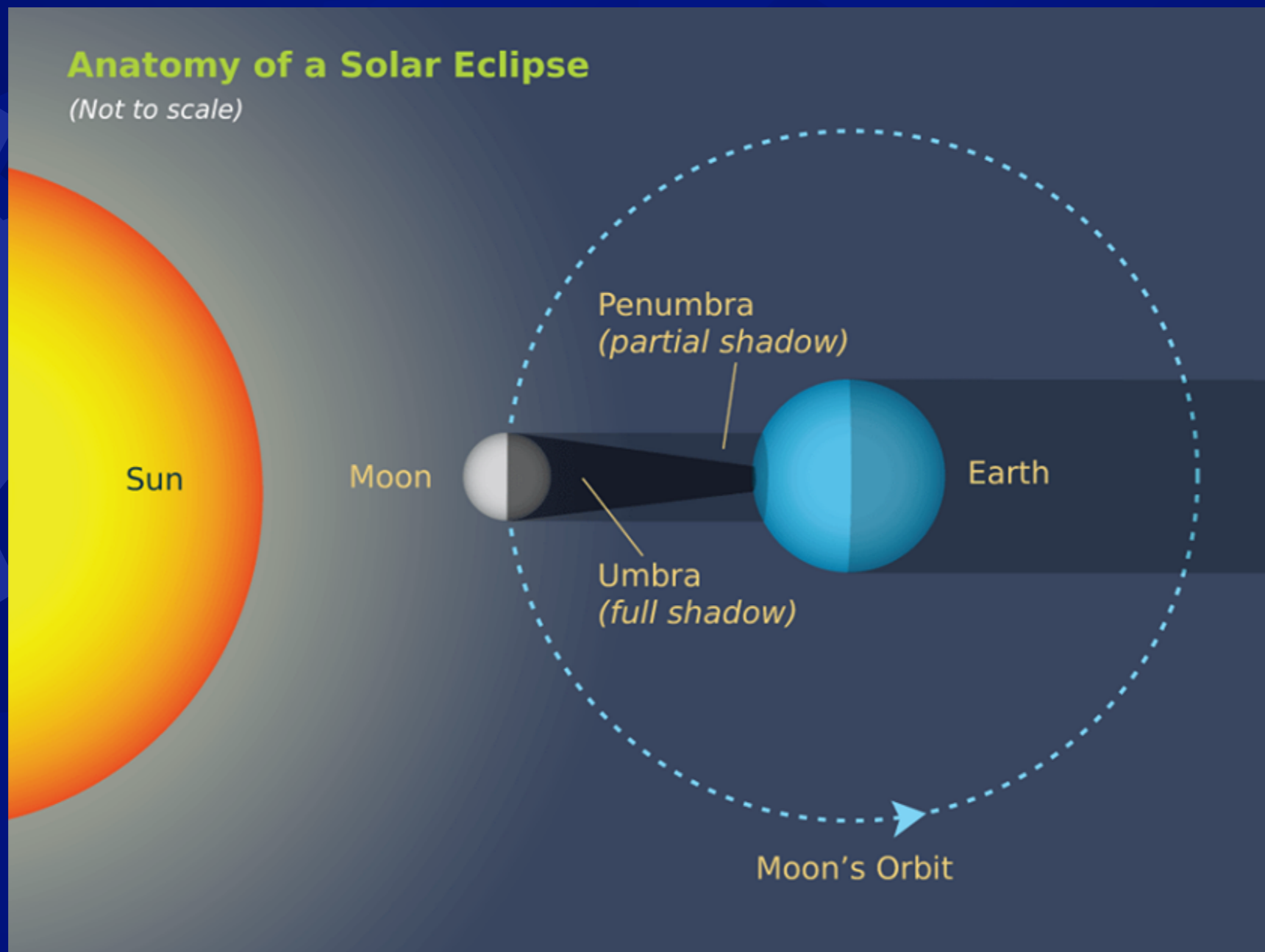
Intelligent Design in Astronomy



Solar Eclipse

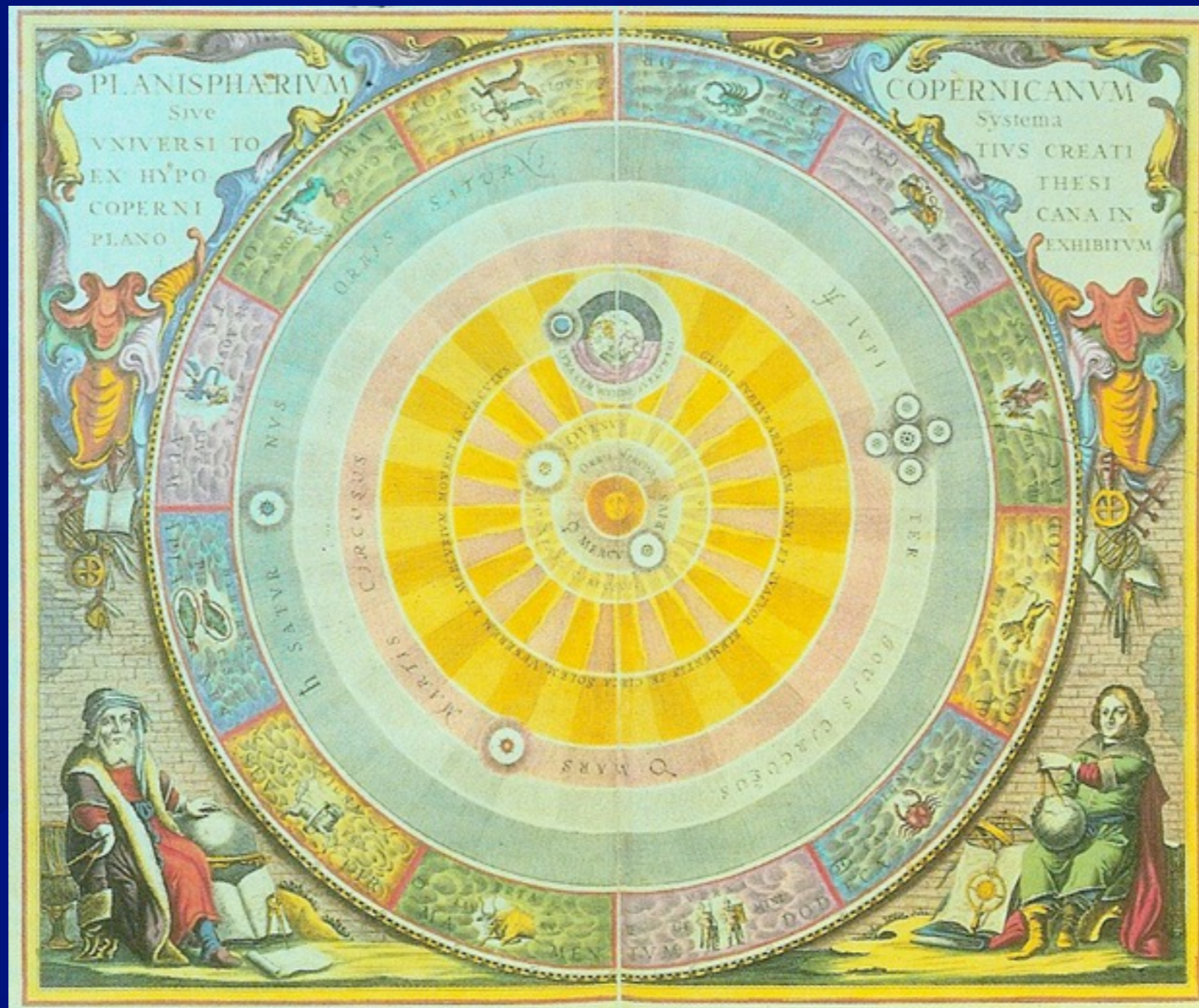


Anatomy of Solar Eclipse

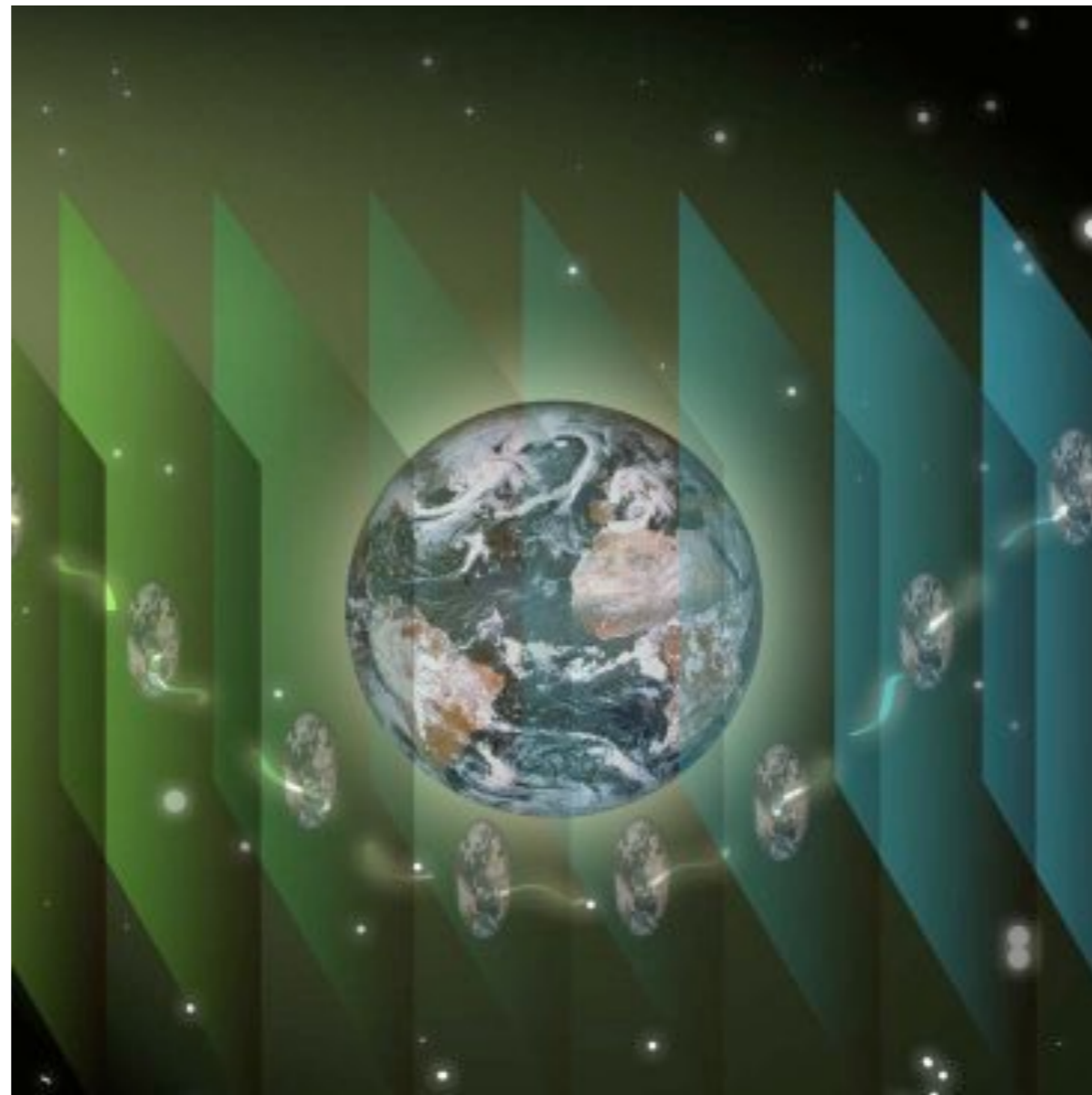


1/400th - 400x

Copernican principle



The Universe is Just Right



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

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.

Gaseous Pillars



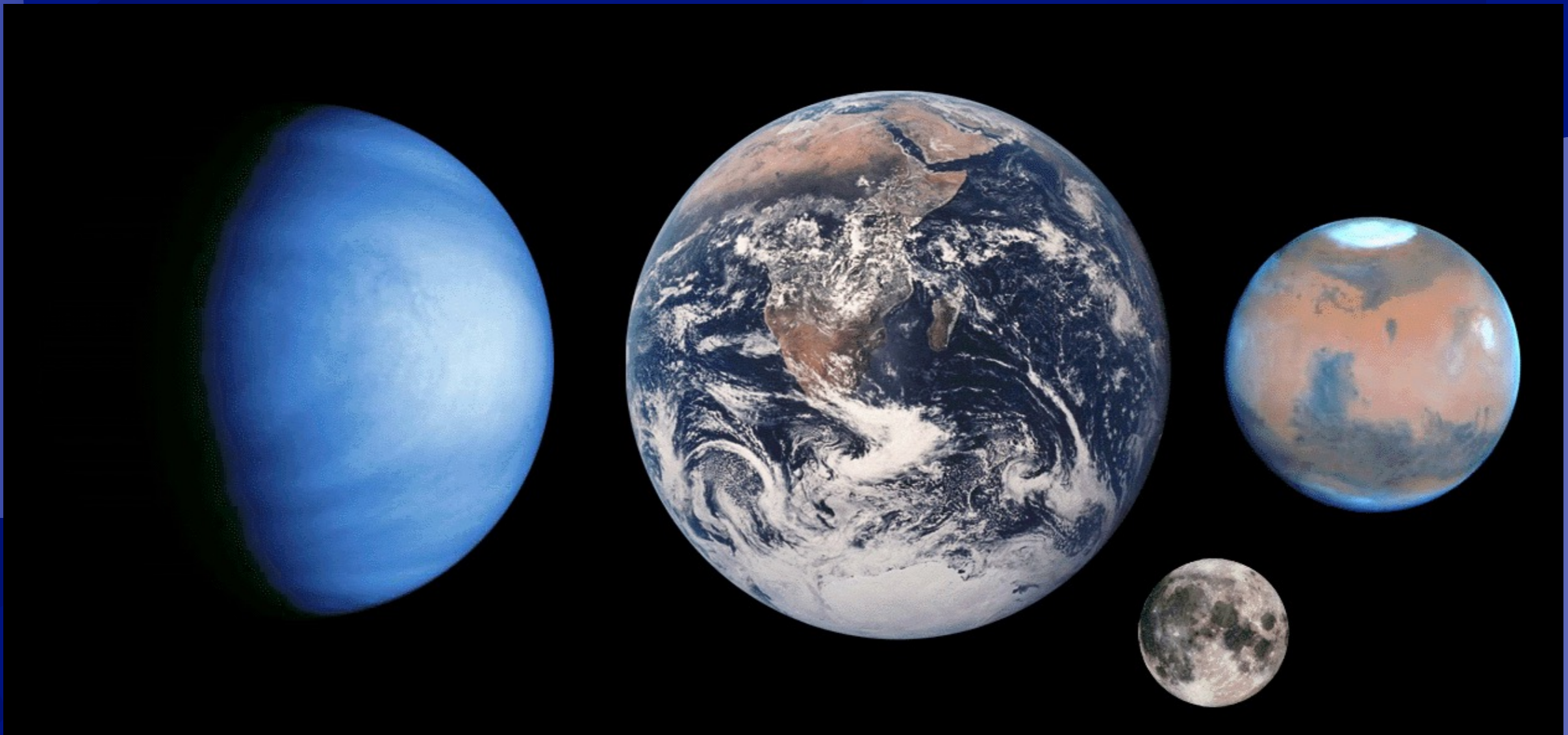
Eagle Nebula

A “Just Right” Universe

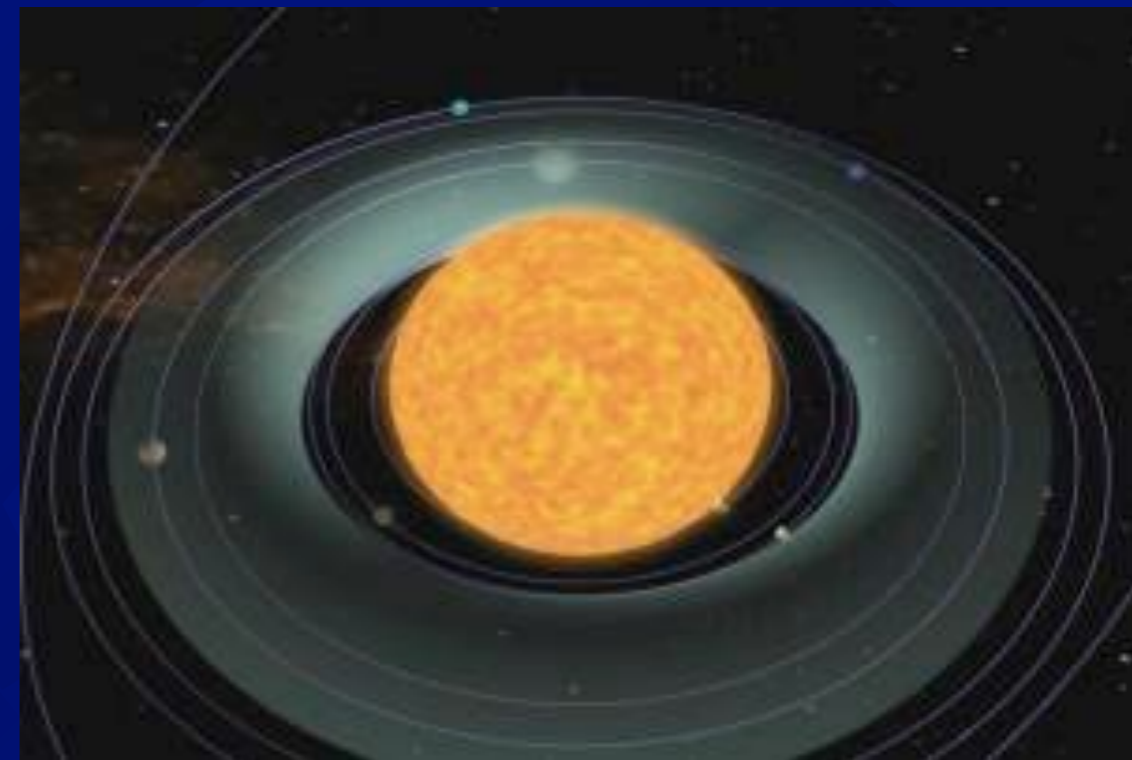
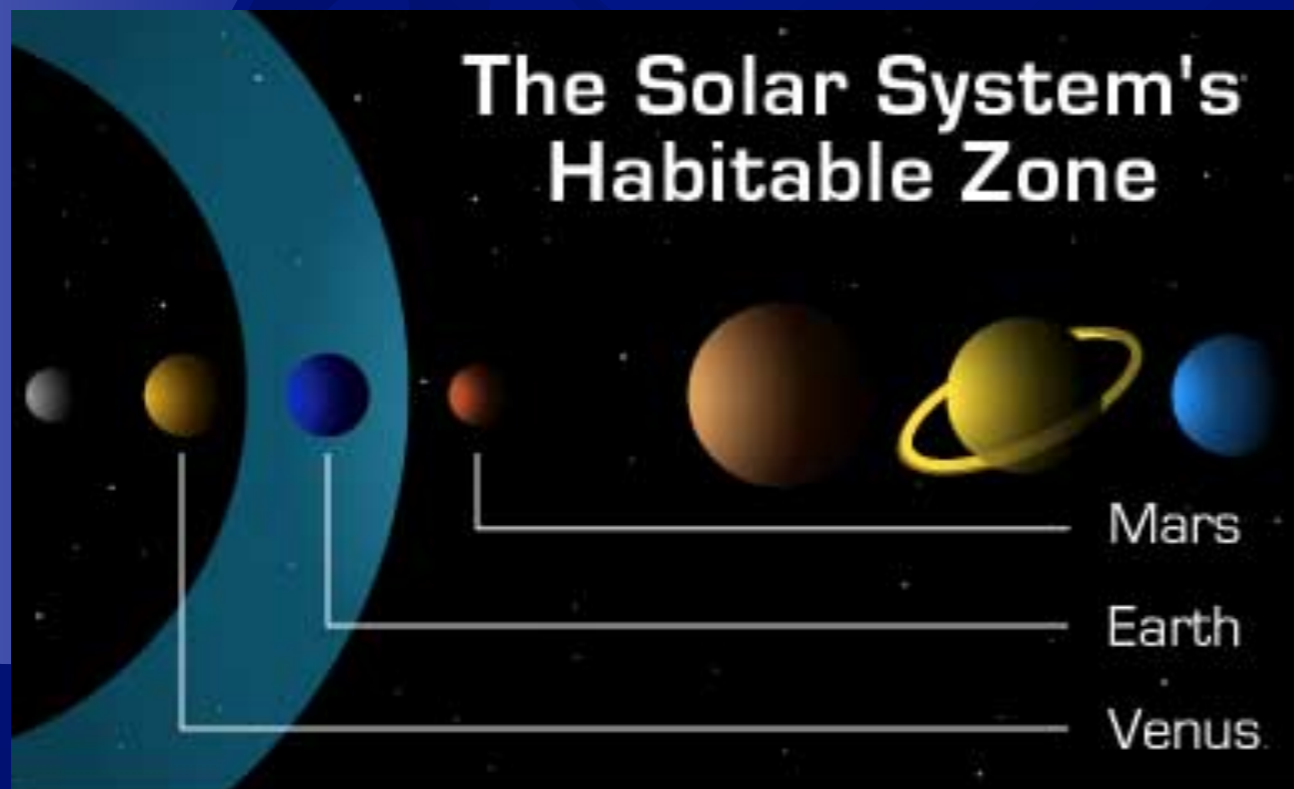
Finely tuned parameters for planet:

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

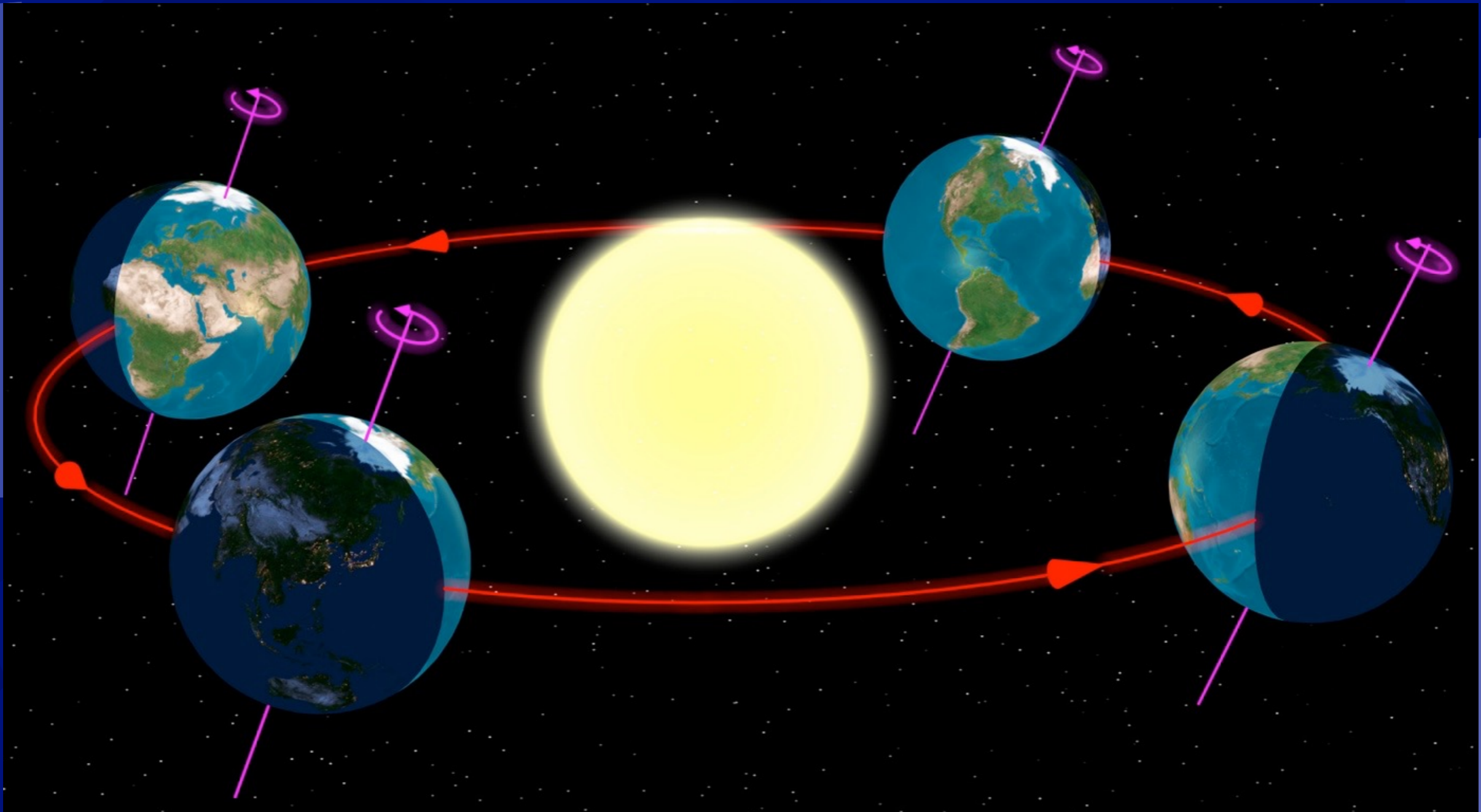
Earth's Size



Earth's Distance from the Sun



Earth's Axial Tilt



Earth's Temperature



Earth's Moon & Diurnal Tides



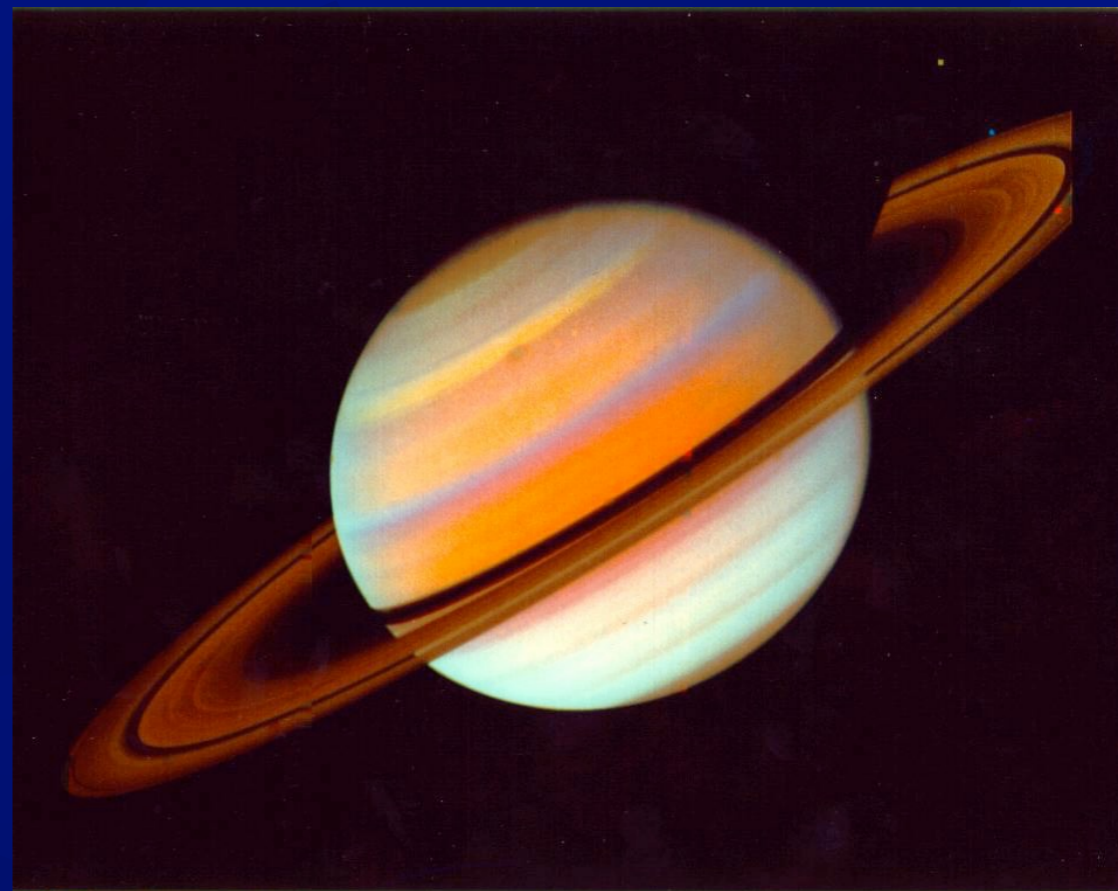
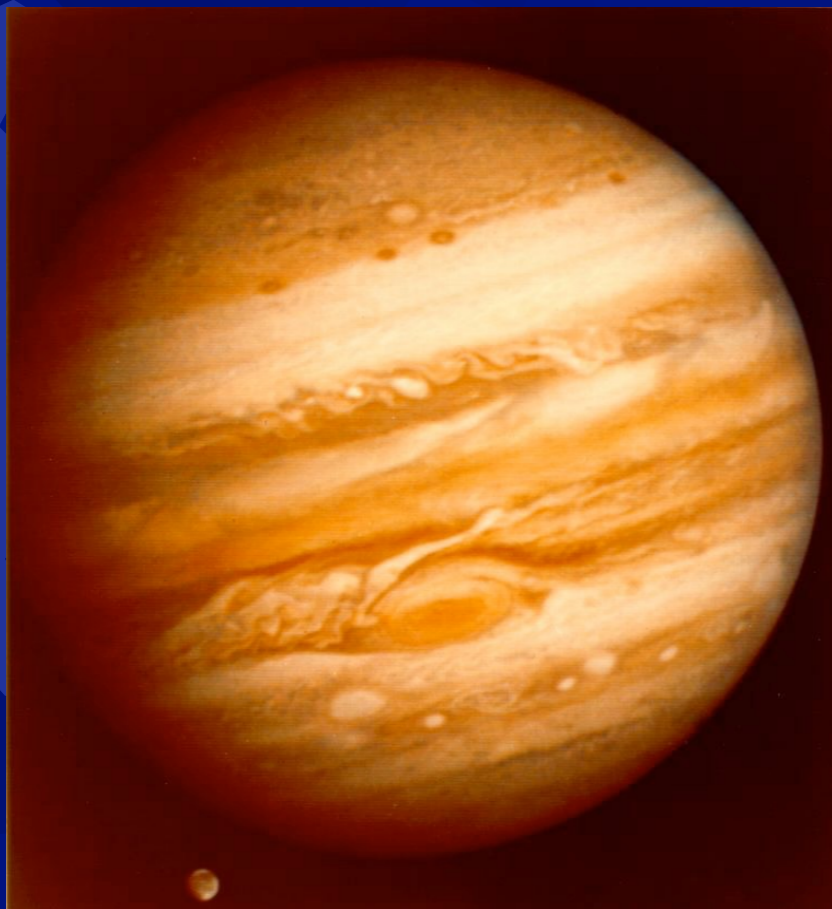


A “Just Right” Universe

Finely tuned parameters for solar system and galaxy:

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

Jupiter and Saturn



Solar System



The galactic habitable zone

“Similar to the Goldilocks zone but on a galactic scale”

Galactic habitable zone
In this region, rocky planets can form, but nearby supernovas are rare.

Danger zone
Too close to the galactic hub, life would be harmed by deadly rays from frequent stellar explosions.

Outer regions
Far from the galactic hub, galaxies lack the heavy elements needed for life-sustaining rocky planets.

Mars orbit

Mercury orbit

Too hot
Too close to a star, and a planet's surface water and atmosphere boil away into space.

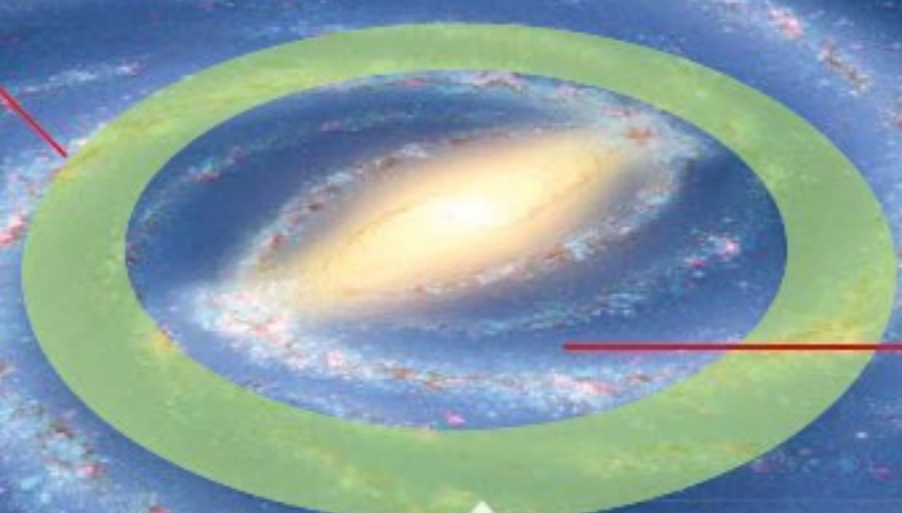
Jupiter orbit

Just right
In the Goldilocks zone, a planet can sustain liquid oceans and a warm atmosphere.

Too cold
Too far out, and a planet's water supplies will remain deep-frozen, preventing the evolution of life.

Earth orbit

Venus orbit



Fine Tuned Parameters

INTELLIGENT DESIGN

ARTICLES

List of Fine-Tuning Parameters

BY JAY RICHARDS, PHD IN SCIENCE

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.

Probability of Life

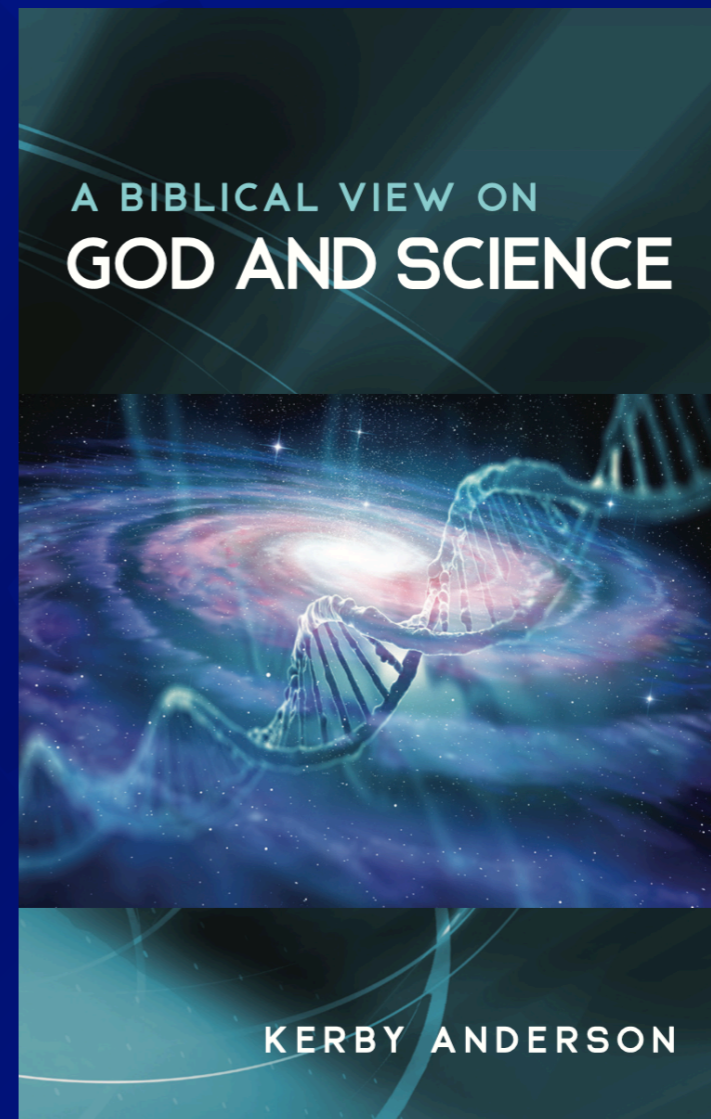
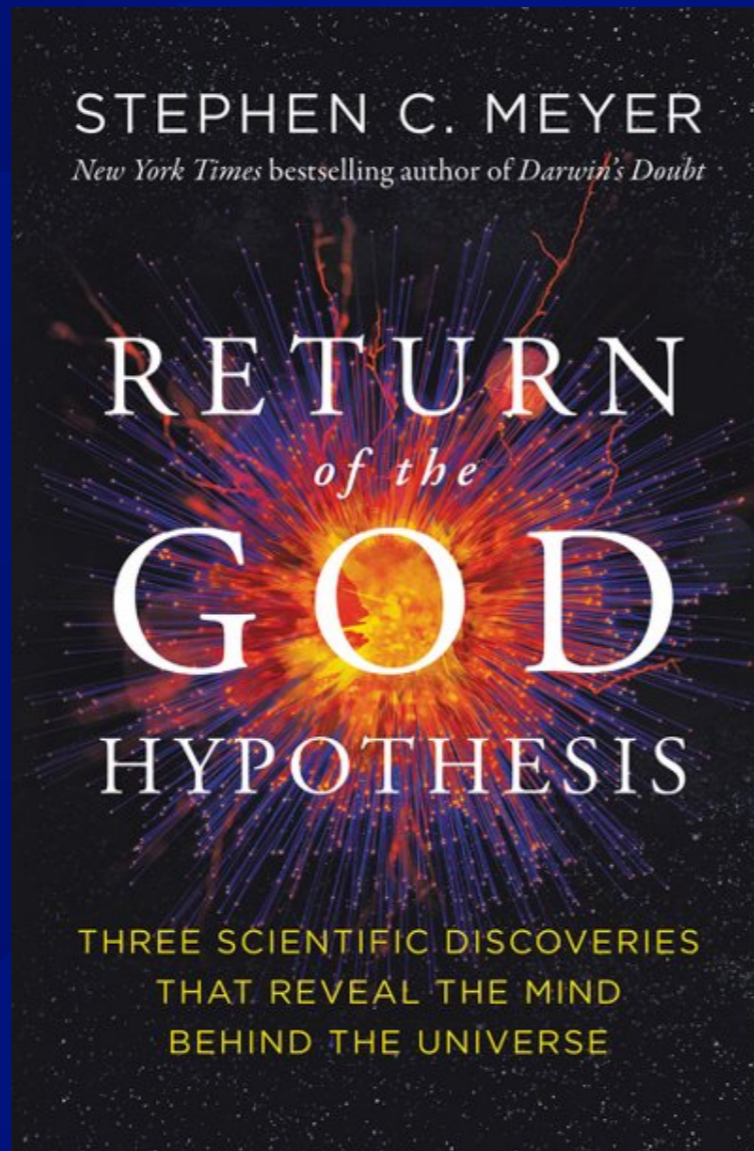
- So how many stars in the universe?
- There are 10^{22} stars in the universe. Let's estimate there is one planet per star.
- To determine how many planets we would expect to be suitable for life, we multiply the two numbers together:

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

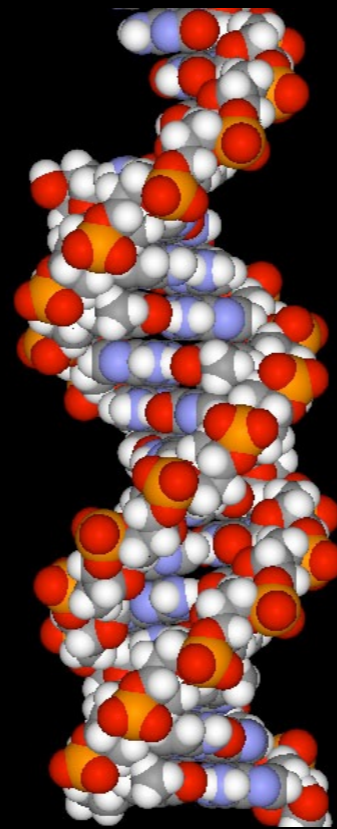
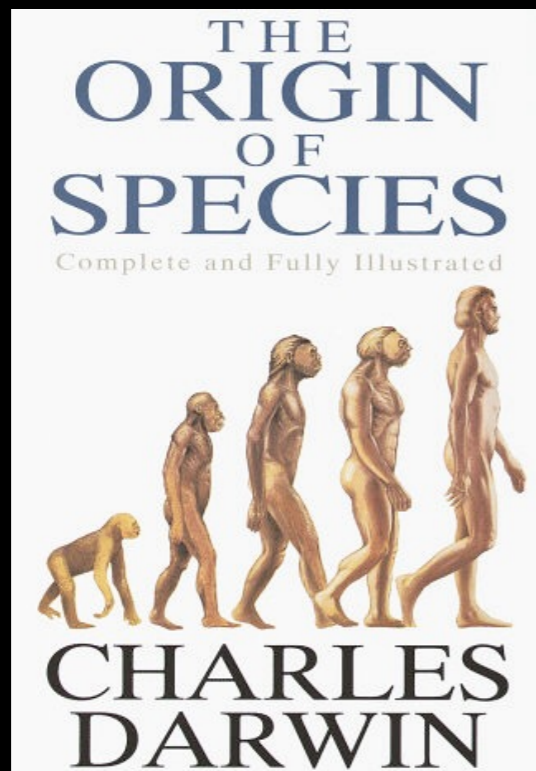
Probability of Life

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.

Return of the God Hypothesis



Intelligent Design in Biology



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.

Biological Information

Letters

Nucleotides

Words

Codons

Sentences

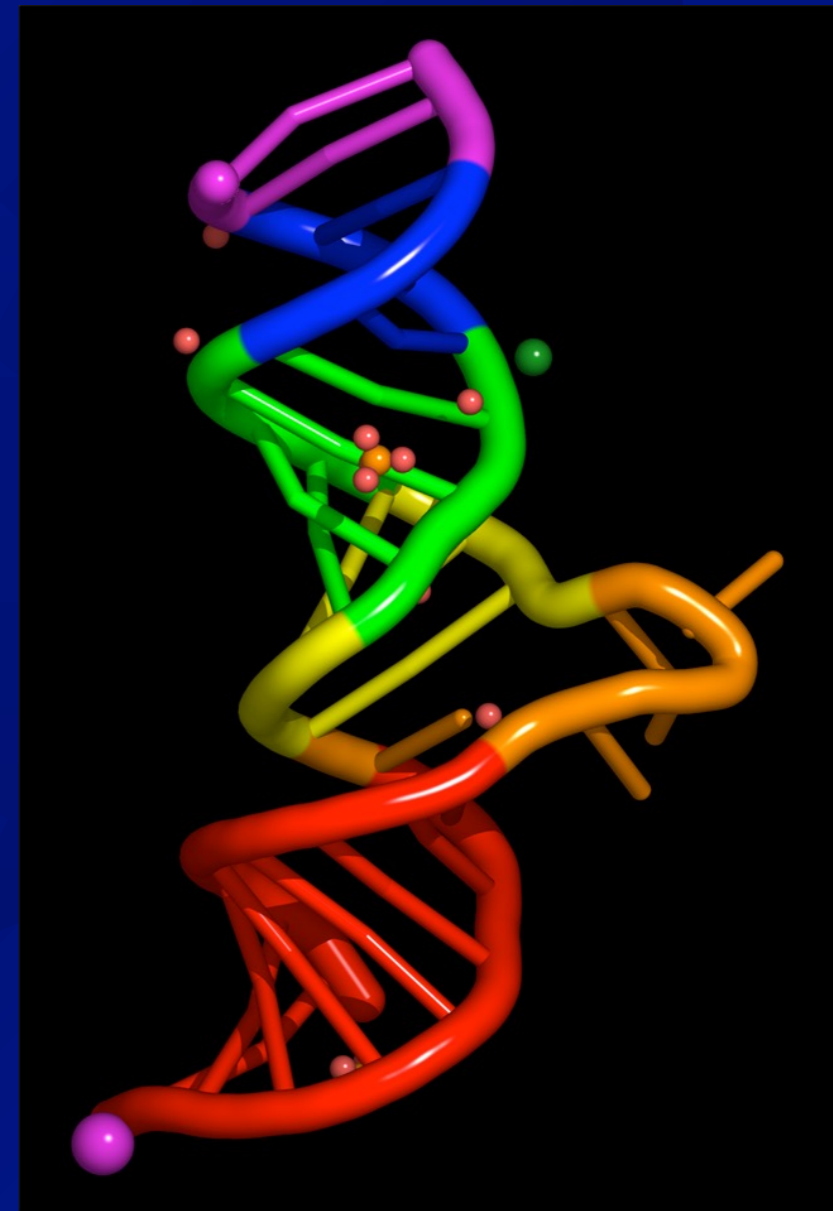
Genes

Book

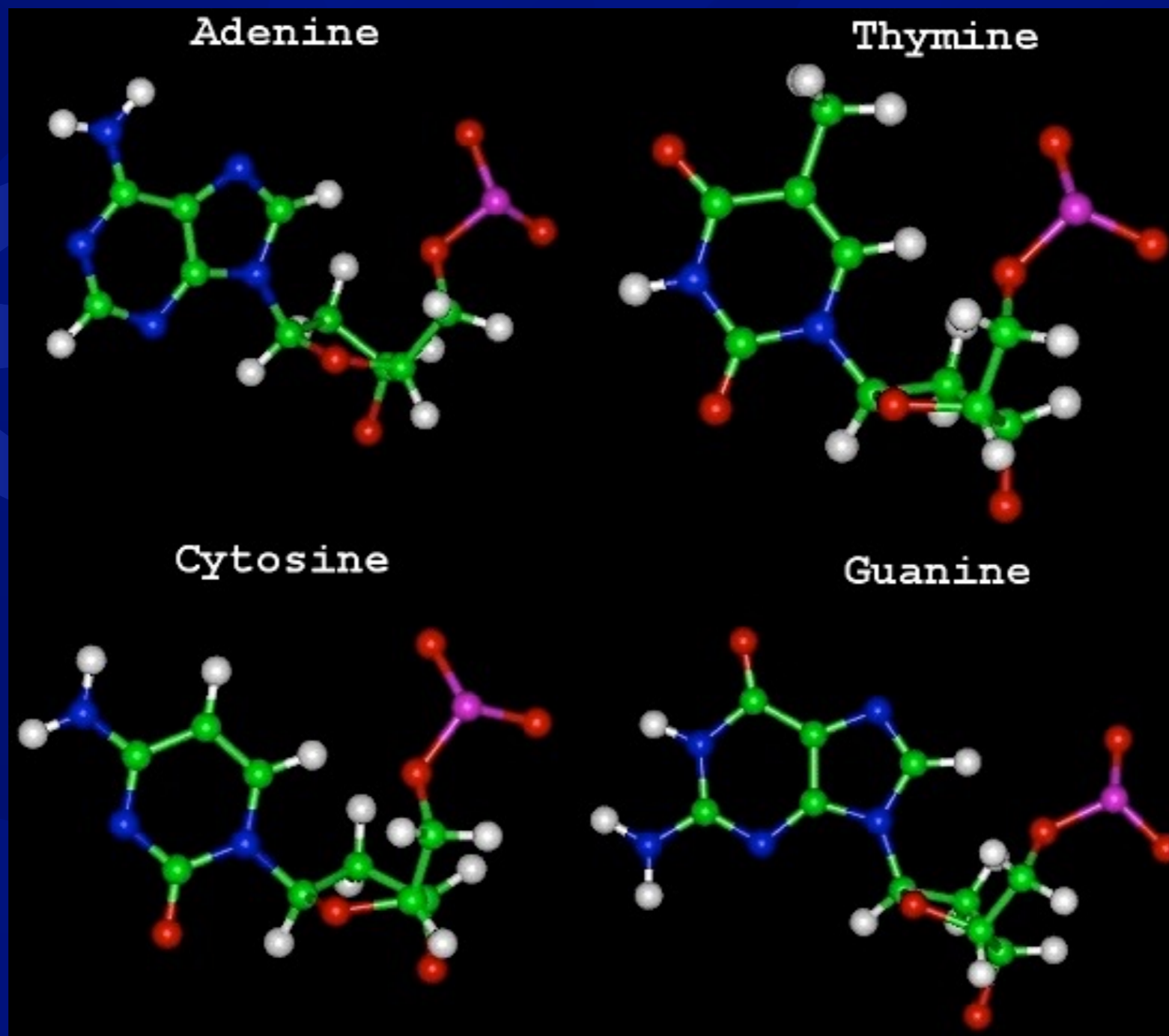
Chromosome

Library

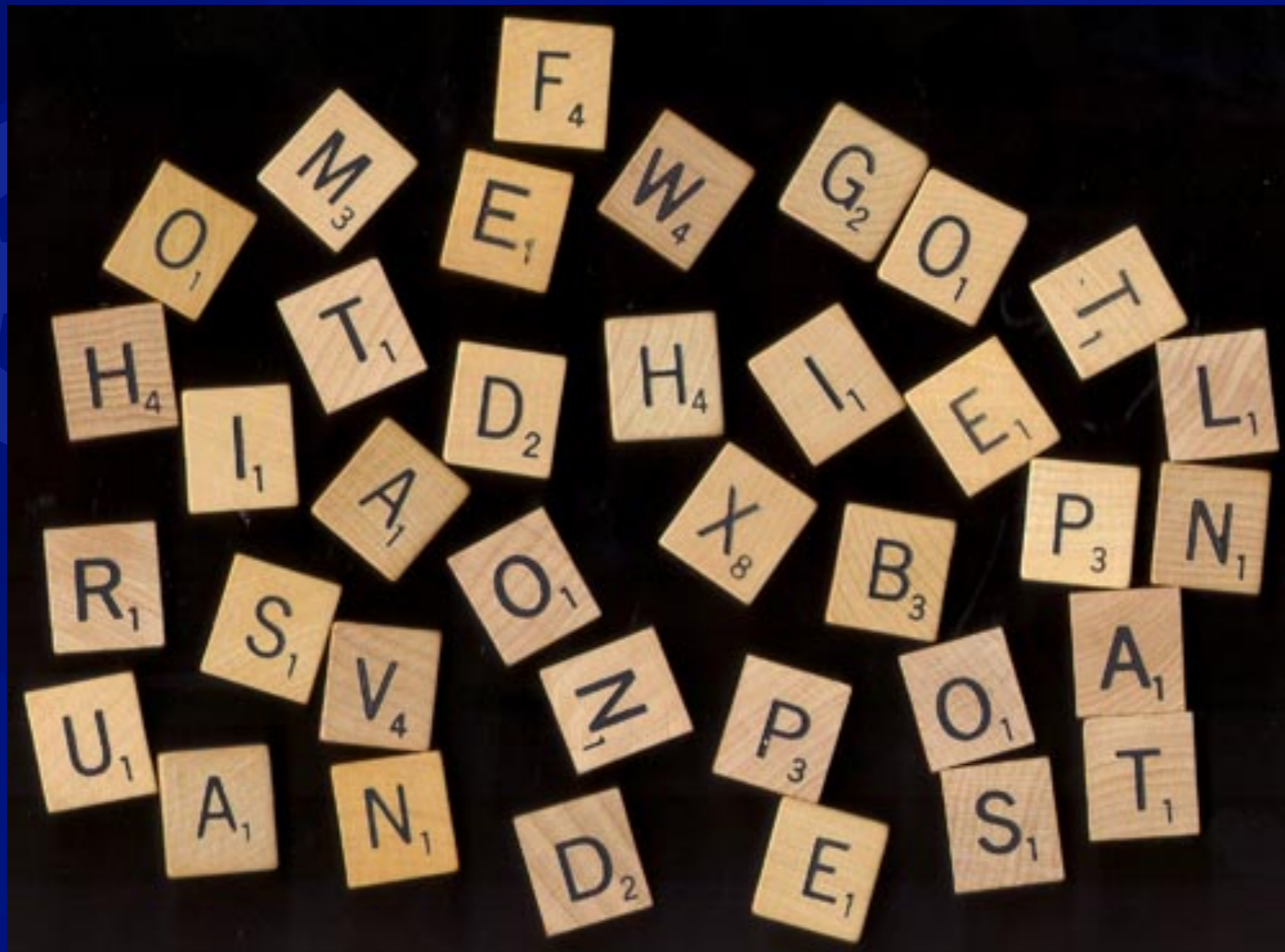
Genome



Biological Information

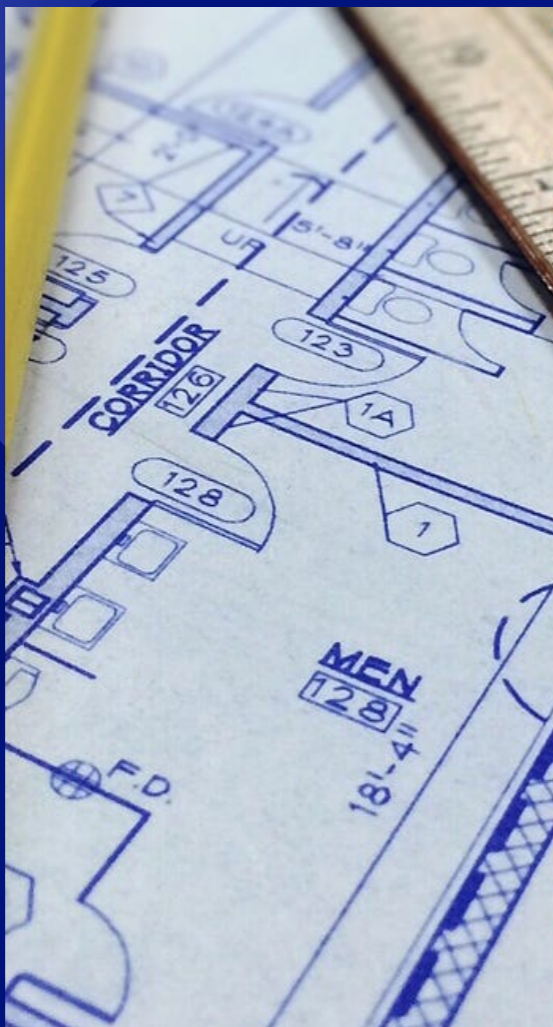


Biological Information



DNA is Like Computer Code

The chemical part of DNA function like digital characters in a computer code.



```
function check(n)
{ // check if the number n is a
  var factor; // if the checked nu
  var c;
  factor = 0;
  // try to divide the checked num
  for (c=2 ; (c <= Math.sqrt(n)) ;
    {
      if (n%c == 0) // is n divi
        {factor = c; break}
    }
  return (factor);
} // end of check function

function communicate()
{ // communicate with the user
  var i; // i is the checked
  var factor; // if the checked nu
  i = document.primetest.number.va
  // is it a valid input?
  if ((isNaN(i)) || (i <= 0) || (M
    {alert ("The checked object sh
  else
    {
      factor = check (i);
      if (factor == 0)
        {alert (i + " is a prime")}
      else
        {alert (i + " is not a pri
    }
  } // end of communicate functi
```


DNA is Like Computer Code

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

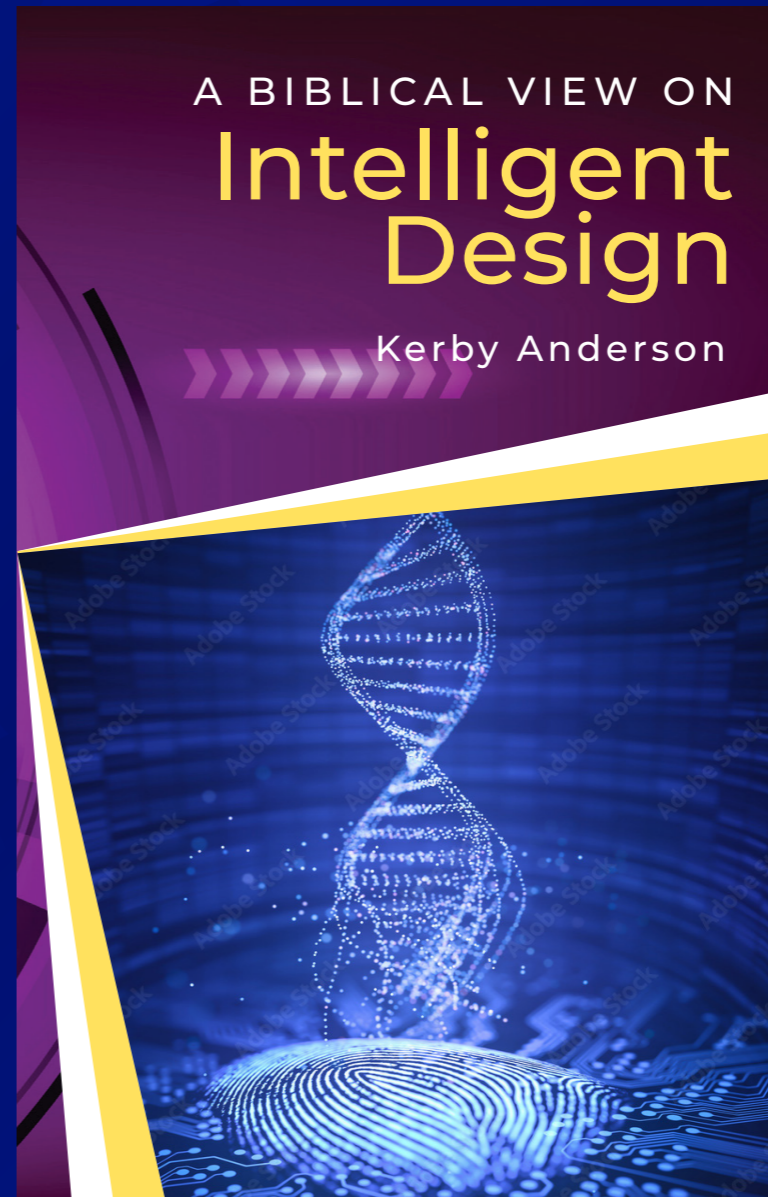
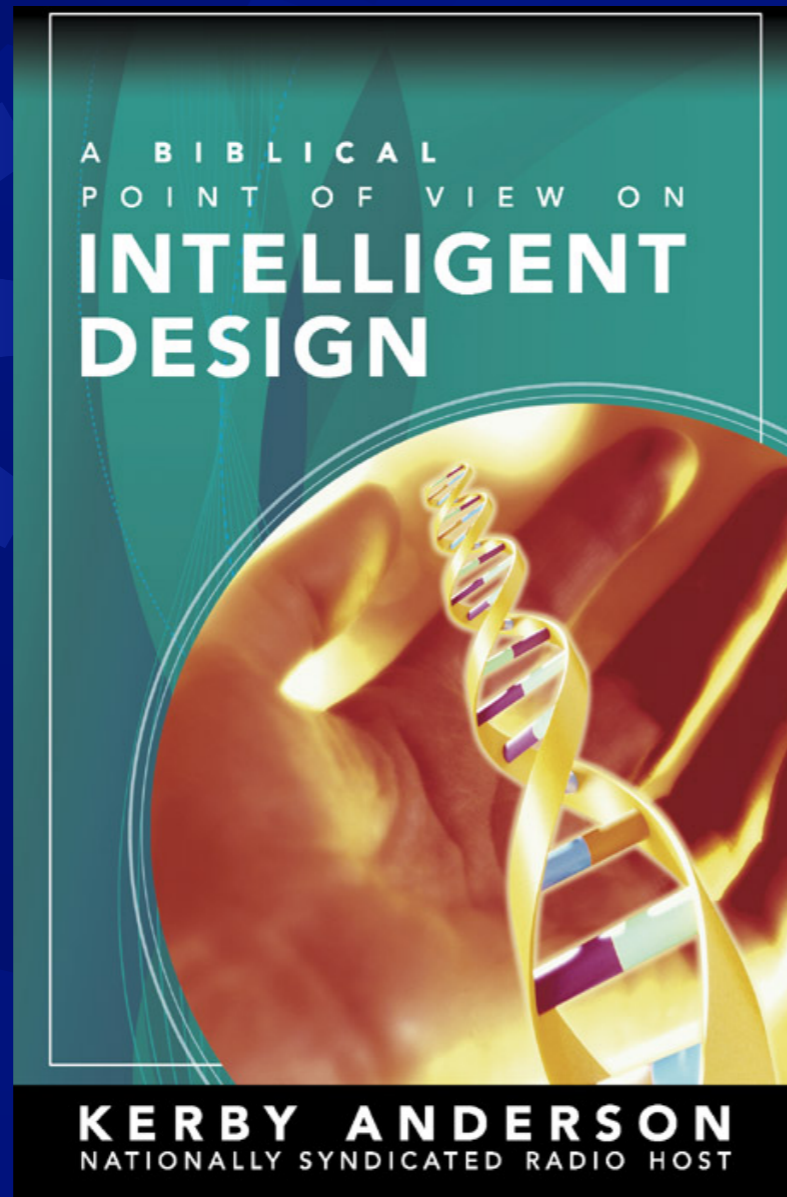
BILL GATES

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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.

Intelligent Design



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