

# The Design Argument from Fine-Tuning

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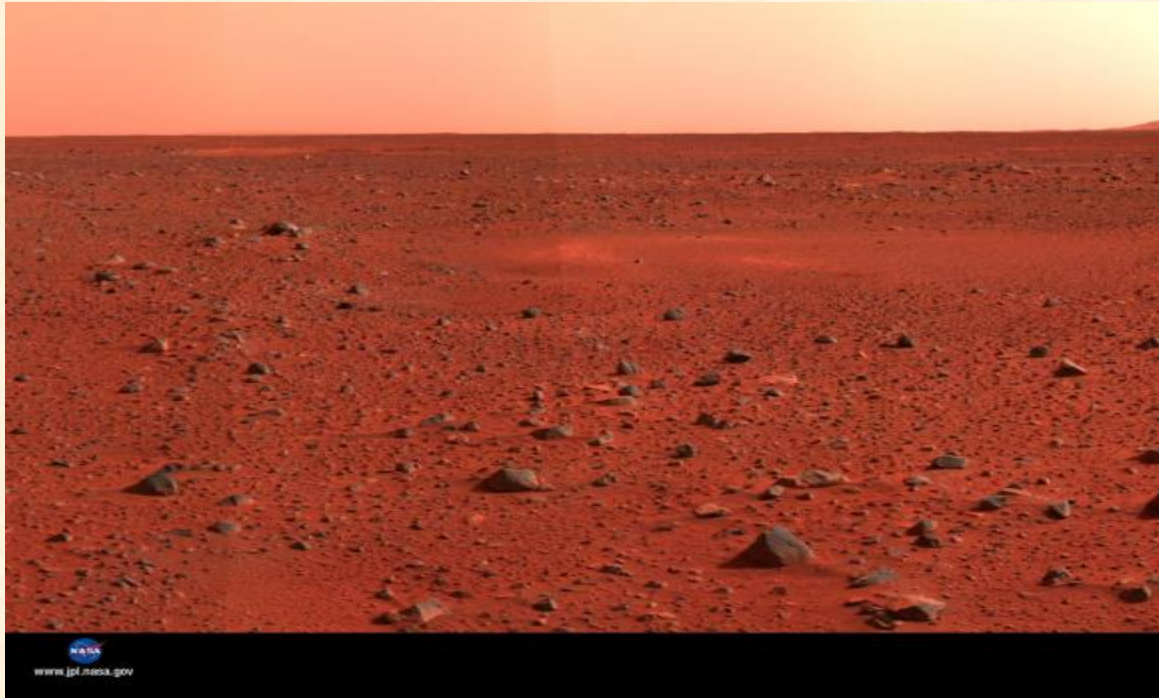
Cults

# Design Argument from Fine Tuning

The “fine-tuning” of the universe for life

- delicate balance of initial conditions
- required to permit the existence of life
- biosphere on Mars analogy





"There is now broad agreement among physicists and cosmologists that the Universe is in several respects 'fine-tuned' for life".

Physicist Paul Davies

"The laws of science, as we know them at present, contain many fundamental numbers... The remarkable fact is that the values of these numbers seem to have been very finely adjusted to make possible the development of life."

Theoretical Physicist Steven Hawking

# Design Argument from Fine Tuning

What is fine-tuned?

- constants of nature
  - cosmological constant
- certain arbitrary physical quantities



# What would make life impossible?

One example

A change in the cosmological constant of just  
1 part in  $10^{120}$

# The Design Argument from Fine-Tuning

Premise 1

The fine-tuning of the universe is due to either *physical necessity, chance, or design*.

Premise 2

It is not due to physical necessity or chance.

Conclusion

Therefore, it is due to design.

# God is the Designer of the Cosmos



# Psalm 8:3,4

When I consider your heavens,  
the work of your fingers, the moon and the stars,  
which you have set in place,  
what is mankind that you are mindful of them,  
human beings that you care for them?