

Fine- Tuning of the Universe: The evidence for Design

- Extremely narrow life permitting range.

- Examples:

$$F = G \frac{Mm}{r^2}$$

Vary G by 1 in 10^{60} =
no life
 $10^{14} \approx$ no. of cells in
body

$$\frac{-4\pi G}{3}(\rho + 3p) = \frac{\Lambda}{3}$$

Vary Λ by 1 in 10^{120} = no
life

Mass-Energy distribution

Vary by 1 in $10^{10^{123}}$ = no life

- Explanations:

- Necessity laws of nature are necessarily so
- Chance Absurd improbability
- Design The best candidate – super mind / God