

EXAMPLES OF FINE TUNING

The gravitational constant
Earth's orbit within the circumstellar habitable zone
Solar system's location in the galactic habitable zone
The solar system's type of star (G2 dwarf star)
The size of our star
Earth protected by gas giant planets
Nearly circular orbit
Oxygen rich atmosphere
Correct mass of the earth
Earth orbited by a large moon
Magnetic field (molten iron in the earth's core)
Plate tectonics
Ratio of liquid water to the continents
A terrestrial planet
Moderate rate of the earth's rotation
Thickness of the earth's crust
Composition of the earth's atmosphere
Temperate climate
Protection from radiation
Correct combination of gasses necessary for liquid water
and complex life
Initial (boundary) conditions at the "Big Bang"
Proper ratio of the four forces (gravity, electromagnetic, strong nuclear, weak nuclear) necessary for existence of atoms and chemistr

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