

**General Description:**

Project VoidBox© aims to produce realistic universes that obey the laws of physics and mathematics; in addition it serves to model our own universe. In order to achieve this, the program employs the use of data parameters that have been researched, and values of which have been calculated. These data parameters act as predetermined constants inside the framework of our own physical universe. These data parameters include: spin, mass of a star that is undergoing fusion, and energy released due to nucleosynthesis. In addition to these constants, there are a few inputs that can be randomly generated, or put in by hand if information about a certain star is needed. These inputs include the following: radius/diameter, mass, and Surface temperature. The program then outputs the stellar luminosity, lifespan of the star, density, volume, total energy released in fusion, and the gravitational force felt by Earth if the star was our sun’s distance away.

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