

Sphere Theory Explains the Prevalence of the Golden Ratio in Nature

1.0 Abstract

Sphere Theory is a theory that the universe is a sphere made of spheres, made of spheres, etc.

(1) It was shown by Sphere Theory that Planck Pressure is a pressure of gravitational force between adjacent Hubble Sphere universes. (2) We can use a simple calculation to show why the Golden Ratio is prevalent in our universe. The Golden Ratio can be shown to be produced by the charge or gravity between two, uniform, and symmetrical spheres. The acceleration of gravity or the electromagnetic force of particles, increases as we get farther from the center of the sphere linearly, the gravity or electromagnetic force from adjacent elementary particles decreases by the square of the distance from the center of that sphere. The point at which these two accelerations, become equal, is found to be related to the Golden Ratio.

2.0 Calculations

We define the force of a symmetrical, uniformly dense sphere, to be 1 at its surface. As we move towards the center of the sphere, the force decreases linearly to zero at the center. As we move out from the sphere the force decreases by the inverse of the radius squared.

If we have two spheres adjacent at what point does the force from one sphere, as it decreases by the inverse of the radius, be equal and opposite to the linear decrease to the center of the other sphere. The fraction at which this occurs is calculated as follows.

The equation can be written in two forms

Form 1

$$1 + 1 - y = \frac{1}{y^2}$$

The solutions are

$$y = 1$$

$$y = \frac{1}{-\psi} = -0.618033988749895$$

And

$$y = \psi = 1.61803398874989$$

Form 2

1

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$$x = \left[\frac{1}{1+1-x} \right]^2$$

There are three solutions.

$$x = 0.381966011250105$$

$$x = 1$$

$$x = 2.61803398874989$$

It is clearly seen that the value $x = 0.381966011250105$ is one divided by the Golden Ratio squared and $x = 2.61803398874989$ is the Golden Ratio squared.

3.0 Discussion

From this little exercise we see that gravity or electromagnetic force between adjacent spheres, yields phenomena, that is the Golden Ratio. This would be true at every level of Spheres. Therefore, the level of the Universe, called the Hubble Sphere, would have phenomena that is the Golden Ratio, the Planck Sphere, that is the Sphere size that atoms are made of, would have phenomena that is the Golden Ratio. This phenomena of gravity between spheres being related to the Golden Ratio, is evidence that the Golden Ratio may be related to gravitational forces or electromagnetic forces between symmetrical, uniformly dense spheres. The following is a picture of a sphere made of spheres.

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4.0 References

- 1) <http://vixra.org/pdf/1601.0234v4.pdf>
- 2) <http://vixra.org/pdf/1404.0055v3.pdf>
- 3) DreamsTime.com