

Calculating the Gravitational Frequency of Universe

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We have calculated the gravitational frequency of solar systems, between planets, planets and their moons, black holes, black holes and their stars, etc. But here as an abstract, we will calculate the gravitational frequency of solar systems.

Gravity is the interaction between masses like stars and their planets which move in specific orbit with a generally constant speed. They have regular and balanced structures. So: “Summation of forces influencing planets \equiv Summation of forces influencing stars.”

If there were no gravitational waves, the stability of the star and planet would not be like this. So the following relation can be obtained: “Kinetic Energy = Energy of Gravitational Waves”.

Therefore, the relation between the energy of a planet and electromagnetic waves will be:

$$\frac{1}{2} mv^2 = nh\vartheta$$

Where “n” is the number of force lines passing through the surface of the planet.

$$\vartheta = \frac{mv^2}{2nh}$$

Finally:

$$\vartheta = \frac{mv^2}{10r^2} \quad \text{or} \quad \vartheta = \frac{E_k}{5r^2}$$

We compute the gravitational frequency between Earth and Sun:

$$\vartheta = \frac{mv^2}{10r^2} \Rightarrow \vartheta_{Earth} = \frac{(5.97 \times 10^{24})(2.98 \times 10^4)^2}{10(6.37 \times 10^6)^2} \Rightarrow \vartheta_{Earth} \cong 1.3 \times 10^{19} \text{ Hz}$$

The calculated gravitational frequency between our Sun and its planets shows that the gravitational frequency between our sun and all planets in solar system is from 10^{17} to 10^{19} Hz.

