

Earth Revolves Around the Sun in a Spiral Path

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1. Director, Indian Institute of Science, Bangalore, India.
2. Director, Tata Institute of Fundamental Research, Mumbai, India.
3. Jr. Administrator, NASA, Washington, DC 20546-000.
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ABSTRACT: As the sun revolves around its galaxy 7934482270 km in a year, so the sun is the center of revolution of the earth, which moves 7934482270 km per year. The beginning & the end of the revolution of the earth stay at a distance of 7934482270 km. This implies the revolution path of the earth is a spiral path.

The Universe is made up of billions of galaxies and every galaxy consists of crores of stars, planets, satellites, asteroids, meteoroids, comets and many other celestial bodies. Every galaxy is like a lens, whose central part is very thick and edges are thin. Our solar system is situated at the thin edge of the galaxy.

Application of Doppler effect to the light waves has helped us to know that the galaxies are moving away from one another. When the object moves away from us, the frequency of light emitted by it, decreases and shifts towards the red end of the visible spectrum, which is called the red shift. The Scientist E. Hubble, who studied the light emitted by different galaxies and observed the red shift in the spectrum of light coming far from galaxies. This proves that galaxies are moving away from one another. So stars are moving around their respective galaxies.

As sun is a star and a member of the galaxy, so sun is moving. The sun is rotating on its own axis and revolving around its galaxy in every 225 million years. The sun is located at a distance of 30 thousand light years away from the centre of its galaxy. 1 year = 365 days + 6 hours = (365x24+6) hours = (8760+6) hours = 8766 hours. 1 hour = 60 minutes = 60 x 60 seconds = 3600 seconds. 1 year = 8766 hours = 8766 x 3600 seconds = Light travels 3×10^5 kms per second, so light travels in one year = $(10^5 \text{ kms} \times 3) \times 8766 \times 3600 = 946728 \times 10^7 \text{ kms} = 1 \text{ Light year}$. The radius of revolution of the sun is 30 thousand light years = $R = 30 \times 10^3 \text{ light years} = 3 \times 10^4 \text{ light years} = 946728 \times 10^7 \text{ kms} \times 3 \times 10^4 = 2840184 \times 10^{11} \text{ kms}$.

The revolution path of sun around its galaxy = $2\pi R = 2 \times 22/7 \times 2840184 \times 10^{11} \text{ kms} = 124968096/7 \times 10^{11} \text{ kms} = 178525851 \times 10^{10} \text{ kms}$. Sun takes 225 million years to revolve around its galaxy. 225 million years = $225 \times 10^6 \text{ years}$. Sun takes $225 \times 10^6 \text{ years}$ to revolve $178525851 \times 10^{10} \text{ kms}$ around its galaxy.

So Sun revolves $\frac{178525851 \times 10^{10} \text{ kms}}{225 \times 10^6} = 7934482270 \text{ Kms}$. in 1 year

This implies, sun moves 7934482270 kms in one year around its galaxy.

The earth does not revolve around the sun in an elliptical path due to following two reasons.

Reason – I

An elliptical path is a closed path, where the beginning and end of the revolution path of the earth of one year, coincide each other, if the centre of the revolution path is stationary. As sun is the centre of the revolution path of the earth is dynamic, so the beginning and end of the revolution path will not coincide each other. The sun travels 7934482270 kms in a year around its galaxy. So the centre of the revolution of the earth will be displaced to 7934482270 kms. Hence the positions of the earth in 1st January and 31st December of a year will be at a distance of 7934482270 kms to each other. This implies that the revolution path of the earth is not closed, so it is not elliptical.

Reason – II

The distance of the earth from the Sun is 150 million kms, which is the radius of revolution of the earth = R_1 , so $2\pi R_1$, is the revolution path of the earth around the sun in a year. $2\pi R_1 = 2 \times 22/7 \times 150,000000 \text{ kms} = 942857143 \text{ Kms}$. The earth moves 942857143 kms in 1 year = 365 days + 6 hours = 8766 hours.

This implies that the earth moves $942857143/8766 = 107558$ kms in 1 hour. The elliptical path is a curved path, which is not uniformly curved. If the earth moves such a high constant speed on a non-uniformly curved path, then the earth will go outside of the elliptical path, because a body can move with a constant speed on a uniformly curved path. According to the curve, speed is adjusted to move on the path. The earth is a matter, so it can not increase or decrease its speed according to the degree of curviness. This implies that the revolution path of the earth is not an elliptical path. To move on a curved path “the speed of the moving body is inversely proportional to the degree of curviness.”

Therefore, from the above reasons, if one year revolution path of the earth around the sun is plotted in a three dimensional space, then the revolution path of the earth will be a spiral path. So the earth revolves around the Sun in a spiral path. If a circle on XY plane is cut at any place and stretched the two ends opposite to each other in Z-axis then the circle will be a spiral shape.

As the earth moves at a tremendous speed around the sun in a spiral path, so it tilts at an angle $23\frac{1}{2}^{\circ}$ to its ecliptic axis to balance the centrifugal force. For this reason the northern hemisphere and the southern hemisphere of the earth, face the sun alternatively for some fixed time. The hemisphere, which faces the Sun, there is summer season and the other hemisphere is winter season at that time.

When the cotton fibers are spun, they form a strong thread due to the spinning energy. Two long threads, when they kept nearby, they do not attract each other, but when each one of them is rotated and kept together then they are twisted each other and form a rope. For this reason a rotated spiral path of a satellite is twisted with the rotated spiral path of a planet. Then the twisted spiral paths of planets and satellites are twisted with the rotated spiral path of their star to make a rope path.

Rope Theory

The rotated spiral paths of satellites planets and a star are twisted one another to form a rope path.

Due to this rope theory, a satellite revolves round its planet, a planet revolves round its star and a star revolves round its galaxy. That is why, they live together. The celestial body which is creating temperature is alive, due to the creating temperature, it keeps with it the air and the water. The alive celestial body rotates and revolves.

The celestial body which has the created temperature, but does not create temperature it is dead. It can not have atmosphere and water. It will rotate and revolve as long as it has the temperature. When it will completely lose the temperature, it will not rotate and revolve, then it will be attracted to the Black Hole. As a result of which, it will be a member of the Black Hole. Because birds of same feather flock together. Black Hole consists of dead stars. At the beginning the Universe consists of only darkness and everything is created from it.

Now the moon is leaving its stored temperature and it is not creating heat. When the temperature of the moon will be equal to the temperature of the darkness, then the moon will stop its rotation and revolution. As a man is created from the earth, so what happens to man in the earth, that will happen to the earth in the Universe. Earth is alive because it is creating temperature and it has water, air and solid matter. Similarly man is alive because it is creating temperature and it has blood, air and solid matter.