

ELLIPTICITY

Meaning: Ellipticity refers to the degree to which an orbit or shape deviates from being circular, often characterized by its elongation or flattening.

1. The ellipticity of the orbit suggests that the planet experiences varying distances from its star throughout the year.
2. In mathematics, ellipticity is a crucial concept when analyzing the properties of ellipsoids.
3. The scientist measured the ellipticity of the galaxy to better understand its formation and structure.
4. Ellipticity can significantly affect the performance of optical systems, particularly in telescope design.
5. Astronomers often employ ellipticity calculations to predict the gravitational effects on nearby celestial bodies.

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