

PARABOLOID

Meaning: A paraboloid is a three-dimensional geometric surface formed by rotating a parabola around its axis, characterized by its ability to focus parallel rays to a single point.

1. The satellite dish is shaped like a paraboloid to focus signals effectively.
2. In mathematics, a paraboloid can be either elliptic or hyperbolic, depending on its curvature.
3. Architects often use paraboloid structures in modern designs to create unique visual effects.
4. The equation for a paraboloid can be expressed in three dimensions, illustrating its symmetrical properties.
5. Researchers are exploring the use of paraboloid mirrors in solar energy collection systems.

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