

Formation, Rotation and Revolution of Conics in 3D

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Abstract

The ancient Greeks studied conic sections as a curve. This curve or conic section is generated by intersecting a right circular cone with a plane. Different conic sections are formed depending upon the positioning of the plane on the conic. Four types of conic sections formed are- circle, ellipse, parabola and hyperbola. In GeoGebra using 3D Graphics we can visually see the formation, rotation and revolution of conic sections.

Keywords – Conics section, circle, parabola, ellipse, hyperbola, conics rotation, conics revolution