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Determination and some properties of conic conoids if the proper governing configurations of the conoids are the configurations of the circular cone. (English) Zbl 0810.51007


Summary: The paper presents the characteristics of warped surfaces of degree $n > 2$ linked with the properties of conic conoids. They are elliptic, parabolic, and hyperbolic whose determining configurations are the elements of the circular cone: straight and oblique conoids are the surfaces of the 3rd and 4th degree.

MSC:

51N05 Descriptive geometry
14N05 Projective techniques in algebraic geometry
53A04 Curves in Euclidean and related spaces

Keywords:

warped surfaces; conic conoids