

UFSCar

DEPARTAMENTO DE MATEMÁTICA

Mini Curso

Prof. Dr. Masaki Kasedou

ICMC-USP, Brasil / Department of Mathematics, Hokkaido University, Japan

Falará sobre:

Cusps of Gauss mapping of the surface in Euclidean three space

Resumo. Gauss mapping is given by a normal direction for the regular surface in the Euclidean three space. It is classically studied in many researchers. We will discuss about the geometrical property of Gauss mapping from the viewpoint of singularity theory, and relation to the height function of the surface. Singularity of Gauss mapping corresponds to the parabolic set of surface, and generically consists of regular curves. Its singularity is generically classified by fold and cusp, we discuss the its local geometrical property of the surface.

DATA: 06/07/2011 HORÁRIO: 10:00 Hs
LOCAL: Sala 20 (DM - UFSCar)