CASTS TALKS

CASTS Algebraic Geometry Summer Program

Ruled surfaces and rational surfaces

Mr. Yu-Chi Hou

2018 - 07 - 20 (Fri.)
10:00 - 11:00
103, Mathematics Research Center Building (ori. New Math. Bldg.)

This talk is part of the series of talks on Enriques' classification of complex algebraic surface. The aim of this talk is twofold: First, we study the minimal model of irrational ruled surfaces and we classify them. Also, we introduce some numerical invariants of surfaces, and compute them for ruled surfaces. Next, we introduce various examples of rational surfaces, and study the geometry on them.
Reference: Chapter III,IV of Beauville, A. (1996). Complex Algebraic Surfaces, CUP.