



复旦大学数学科学学院 数学综合报告会

报告题目: **Continuous linear systems on irregular varieties and higher dimensional Castelnuovo and Clifford-Severi inequalities**

报告人: Professor Miguel A. Barja

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报告时间: 2016-04-06 星期三 15:30-16:30

报告地点: 光华东主楼 1501

摘要: I will present two new properties of continuous linear systems on irregular varieties: the eventual degree and a real extension of the continuous rank. These two constructions, of independent theoretical interest, allows us to extend to higher dimensions the classical results of Castelnuovo on the rank of multiplication maps on curves. Also, I will show how to obtain new higher dimensional Clifford-Severi inequalities in a short and conceptual way. Finally I will explain how to classify varieties and line bundles on the Severi lines. This is a joint work with R. Pardini and L. Stoppino.

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