青年学术论坛邀请报告

报告人：张通　博士

单位：英国Durham University

时间：04月05日（周二）13:00–15:00

邀请人：陆俊　副教授

地点：闵行数学楼4楼新报告厅

题目：Slope inequality for families of curves

摘要：A fundamental invariant associated to one dimensional families of curves is the slope. The beautiful result of Cornalba-Harris and Xiao gives a lower bound of slope in terms of the genus. In this talk, I will revisit this slope and Cornalba-Harris-Xiao inequality from a new viewpoint without using stability methods. Motivated by this, I will introduce a notion of the slope for arbitrary families of curves and talk about a slope inequality of Cornalba-Harris-Xiao type for families of curves over surfaces and abelian varieties. The proof, which is heavily based on the characteristic $p > 0$ method, will also be introduce.

张通个人简介：

2012年，华东师范大学数学系博；2012-2015年，加拿大University of Alberta，Max Wyman Assistant Professor；2015-现在，英国Durham University，Lecture。