青年学术论坛邀请报告

报告人：吕鑫

单位：德国Mainz University

时间：10月13日（周四）15:10–16:05

邀请人：杜荣

地点：闵行数学楼401报告厅

题目：一般型曲面上半稳定曲线束中的奇异曲线的条数

摘要：We present two different ways to show that for a semi-stable fibration $f : S \to \mathbb{P}^1$ of curves of genus $g \geq 2$ over $\mathbb{P}^1$, there exist at least 7 singular fibers provided that S is a surface of general type. The first one is based the Arakelov type inequality for the direct image of the relative pluri-canonical sheaves; while the second one relies on the variation of Hodge structures of a Techmuller curve. The first technique applies also to the high dimension case, and the second one works also for surfaces with non-negative Kodaira dimension. This is a joint work with Shengli Tan and Kang Zuo.

吕鑫个人简历：

2010-2013，华东师范大学数学系，博士
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