青年学术论坛邀请报告

报告人：吕鑫

单位：德国Mainz University

时间：03月22日（周二）13:00–14:00

邀请人：杜荣

地点：闵行数学楼102报告厅

题目：Slope of non-hyperelliptic fibrations and applications

摘要：Let $f : S \to B$ be a fibration of curves of genus $g \geq 2$. It is a classical result that the slope $\lambda_f \geq 4 - 4/g$ if f is not locally trivial. It is widely believed that there should be a better lower bound on λ_f when f is non-hyperelliptic. In this talk, I will introduce the technique based on estimating the direct image of the relative bicanonical sheaf to the study of this problem. More generally, we apply this technique to study the relation between the lower bound on λ_f and some properties of the fibration. Some applications will be also discussed.

吕鑫个人简历：

2010-2013，华东师范大学数学系，博士
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