北京理工大學

数学与统计学院学术报告

Upper bounds on the genus of Albanese fibrations for irregular surfaces of general type

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摘要：Let S be an irregular surface of general type, and $a:\,S \to \Alb(S)$ be its Albanese map. When the image $a(S)$ is a curve, the Albanese map induces a fibration, which we call the Albanese fibration of S. The genus g of the Albanese fibration is a differential invariant of S, so it is interesting to find the upper bound on the genus $g$for fixed S. In this talk, I will report some progress on the upper bounds on the genus of Albanese fibrations and its application to the classification of algebraic surfaces of general type.

报告人简介：凌松波，山东大学数学学院副教授，2018年博士毕业于北京大学数学科学学院。主要研究方向是代数几何中代数曲面的分类以及不规则代数曲面Albanese映射的性质。

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