# 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：11月08日（周二）13:00–14:00

邀请人：陆俊

地点：闵行数学楼401报告厅

题目：Sakai's theorem for Q-divisors on surfaces and its application

摘要：A result of Sakai states that for an adjoint divisors K+D on a smooth complex surface with D big, the non-vanishing of its first cohomology implies the existence of an effective divisor E with certain properties. In this talk, I will present a generalization of Sakai's result for Q-divisors. As applications, we prove a base-point-freeness theorem and a very-ampleness theorem for Q-adjoint linear systems, which refine previous results of Ein-Lazarsfeld and Masek. This is a joint work with Fei Ye and Zhixian Zhu.

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。