DERIVED CATEGORIES AND QUANTUM COHOMOLOGIES OF GRASSMANNIAN FLIPS

Speaker: Ying Xie
Shanghai Center for Mathematical Sciences

Time：Wed, Nov 25, 15:30 - 16:00

Venue: Gu Lecture Hall, SCMS

Abstract: We study high dimensional flips in birational algebraic geometry and invariance of derived categories of coherent sheaves and quantum cohomologies under flips. We find a series of examples of flips from Grassmannian varieties, called Grassmannian flips and try to investigate on their derived categories and quantum cohomologies. In this talk, we will give a short introduction to this program.