

**Baohua Fu**, The Chinese Academy of Sciences

*Geometry of linear sections of rational homogeneous spaces*

Rational homogeneous varieties are among the simplest algebraic varieties, and a better understanding of them is always a motivation for the development of algebraic geometry. The geometry of general linear sections of rational homogeneous spaces are as expected, but special ones may have much richer geometry which remains to be explored systematically. I'll survey recent progress in this direction.