SPEAKER: Min Ru

TITLE: An effective Schmidt's subspace theorem for projective varities over function fields

ABSTRACT: J.H. Evertse and R.G. Feretti recently obtained Schmidt's subspace theorem for divisors of a projective variety X defined over a number field coming from the hypersurfaces in P^N. While there is still no effective version of their theorem over number fields, we prove an effective version of the theorem over function fields. It is a joint work with Julie Tzu-Yueh Wang.

RTG TALK - *Integer Solutions to decomposable form equations and inequalities:* I'll talk about the applications of Roth's theorem and Schmidt's subspace theorem in the study of the finiteness of the number of integer solutions to decomposable form equations and form inequalities. Recent results and developments will be reviewed.