

ICTS Special Colloquium

Title : The number of equations defining an algebraic set

Speaker : Anurag Kumar Singh, University of Utah, USA

Date : Wednesday, June 14, 2017

Time : 11:30 AM

Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore

Abstract : Given an algebraic set, i.e., the solution set of a family of polynomial equations, what is the minimal number of polynomials needed to define this set? The question is surprisingly difficult, with a rich history. We will give a partial survey, and discuss results and questions coming from local cohomology theory.