NCTS
National Center for Theoretical Sciences

Uniformity Results in Diophantine Geometry

TIME | **2023.8/7, 8/8, 8/10**
14:00-16:00
Venue | Room 515, Cosmology Building, NTU

Registration

Course Outline & Descriptions

In this series of lectures we will survey recent breakthrough in uniformity questions in diophantine geometry, focusing on Dimitrov-Gao-Habegger proof of a uniform version of Mordell's Conjecture (Faltings Theorem). We will give an introduction to Mordell's conjecture, briefly reviewing its original proof while describing more in detail Vojta's approach. We will then introduce the main techniques and the ideas behind the Dimitrov-Gao-Habegger results and its connections to recent results and old(er) conjectures.

Speaker

Amos Turchet
Università degli studi Roma Tre