SEMINARIO DI MATEMATICA

Martedì 5 novembre 2019
ore 16:15

Scuola Normale Superiore
Pisa
Aula Mancini

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Terrà un seminario dal titolo:

"Arithmetic equidistribution and small points in families of elliptic curves"

Abstract:
Bogomolov's conjecture (now a theorem following work of Zhang and Ullmo) concerns the geometry of points with small canonical height on abelian varieties. We prove an analogous result in the setting of families of products of elliptic curves. This extends theorems by Masser and Zannier in the theme of unlikely intersections. In doing so, we establish an equidistribution result. In this talk, I will discuss this result as well as a generalization of it obtained recently. I will also describe some applications of our work towards a Bogomolov-type extension of a related result by Barroero and Capuano. This is joint work with Laura DeMarco.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze