SEMINARIO DI MATEMATICA

martedì 15 e giovedì 17 giugno 2010
ore 16.00

Scuola Normale Superiore
Pisa
(Aula Mancini)

Francesco Veneziano
SNS

Terrà un seminario dal titolo:

"An effective Siegel theorem for function fields"

Abstract:

The finiteness of (S-)integral points on an elliptic curve over a number field follows from Siegel's theorem, but Siegel's methods do not allow to effectively compute those points. Working on an elliptic curve defined over a function field, one can obtain a similar finiteness result with explicit bounds on the height of the S-integral points and some uniformity in the places of S. This is done along the lines of the proof of Siegel's result, using an effective theorem by Julie Wang where in the number field case the ineffective Roth's theorem is used.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze

11/06/2010