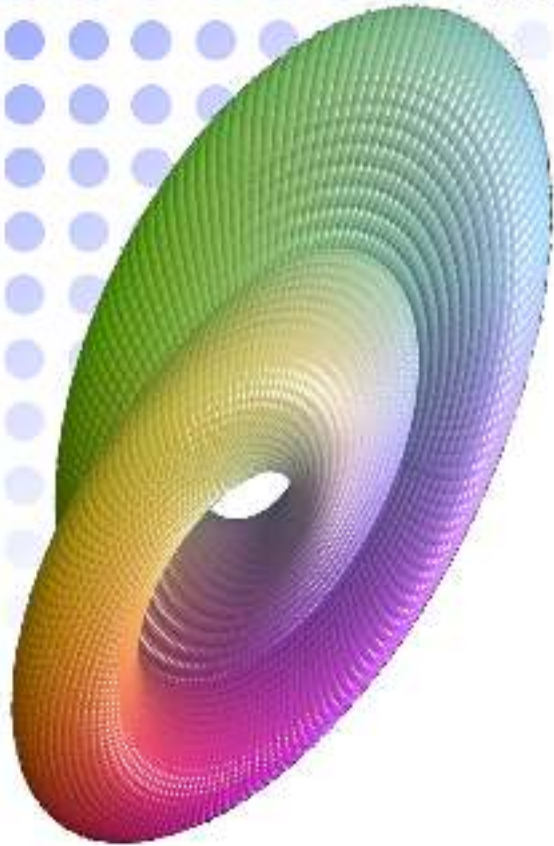


Michigan Math Club

Thursday at 4pm in **East Hall 2851**
(Nesbitt Room) Free Pizza and Pop



Counting Points On Elliptic Curves

Ari Shnidman

Abstract for 5 Apr. 2012

The Birch and Swinnerton-Dyer conjecture is one of the seven "Millennium" problems. If true, it would give a way to determine when an cubic equation in two variables has infinitely many rational solutions. While the precise conjecture requires technical language, the main idea is actually very simple. I'll explain this idea and I'll give some applications of BSD to more down-to-earth questions.

