

The SUMO Speaker Series for Undergraduates

Thursday, September 27th

4:15-5:05, room 380C

(Food Provided)

ABC Conjecture

Professor Brian Conrad



ABSTRACT:

The ABC Conjecture, formulated in the mid-1980's by Oesterle and Masser, is one of the most important conjectures in number theory. It has many deep consequences, but its basic formulation can be given in entirely elementary terms. Earlier this month, a 500-page solution was announced by Shinichi Mochizuki (building on several thousand pages of work he has carried out over the last 20 years). In this talk, I will explain what the conjecture asserts, some evidence that supports it, and a few of its corollaries.

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