

Upstate New York Online Number Theory Colloquium

Time and Date: 12:00 pm EST May 3, 2021

Speaker: Minhyong Kim

Title: Recent Progress on Diophantine Equations in Two Variables

Abstract: The study of rational or integral solutions to polynomial equations $f(x_1, x_2, \dots, x_n) = 0$ is among the oldest subjects in mathematics. After a brief description of its modern history, we will review a few of the breakthroughs of the last few decades and some recent geometric approaches to describing sets of solutions when the number of variables is 2.