

Swarthmore College
Mathematics & Statistics Department

KAORI KITAO LECTURE 2026

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Interpolation problems for curves

The interpolation problem is one of the oldest in mathematics. In its most broad form it asks: when can a curve of a given type be passed through a given number of points? We will consider curves that are described by polynomial equations. Because polynomial equations are ubiquitous in mathematics and the sciences more generally, such curves appear in many different contexts. In this talk, I'll survey work on the interpolation problem from Euclid to the modern day, ending with joint work of mine with Eric Larson.

TUESDAY, OCTOBER 6

Chang Hou Hall (Sci 101)
4:15pm Refreshments 4:30pm Lecture