

LECTURES ON TROPICAL CURVES I: TROPICAL PLANE CURVES

Speaker: Nathan Pflueger
Amherst College

Time: Fri, June. 11st, 20:30-21:30

Venue: Zoom Link: 840 0465 8756; passcode: 235711

Abstract: I will describe the tropical analogs of plane curves, which are graphs embedded in the plane with all edges embedded as line segments of rational slope. I will discuss tropical analogs of several facts about algebraic plane curves, with particular emphasis on Bézout's theorem. Depending on time and interest, I may discuss some aspects to enumerative geometry of algebraic curves on toric surfaces, or describe how the story carries over to higher dimensional tropical varieties.