

# Combinatorics and Geometry — Seminar —

## FROM CHIP-FIRING GAMES TO A RIEMANN-ROCH THEOREM IN TROPICAL GEOMETRY

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### Abstract

Tropical geometry is a recent branch of mathematics that establishes deep relations between algebro-geometric and combinatorial objects. In this talk, we will establish a tropical counterpart of the Riemann-Roch theorem for divisors on algebraic curves and outline its connections to chip-firing games on graphs.

Wednesday, April 9  
12:30 p.m.  
Room 381-U

<http://math.stanford.edu/~sampayne/seminar/>