Algebraic Geometry Seminar

Tropical approaches to compactifications of moduli of del Pezzo surfaces

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Abstract: I will discuss approaches to understanding interesting (e.g. stable pair) compactifications of moduli of del Pezzo surfaces using tropical geometry and combinatorics of the root system $E_n$. Such an approach was first considered by Hacking, Keel, and Tevelev, dating back to works of Naruki and Sekiguchi; however, new ideas may lead to a more complete understanding of these compactifications. Similar approaches for other root systems may yield other interesting compactifications of moduli spaces.

Monday, September 12 at 3:00 PM in 636 SEO