

1154-52-792

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*Undergraduate research topics in tropical geometry.*

Tropical geometry transforms questions in algebraic geometry into combinatorial ones, drawing from discrete geometry and graph theory. In this talk I'll talk about some specific project ideas coming from the tropical world, and also how to generate lots more ideas in parallel with algebro-geometric results. Many of these projects will draw on tropical plane curves and chip-firing games on graphs. (Received September 10, 2019)