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# AN ALGEBRO-GEOMETRIC VIEW ON MIRROR SYMMETRY

Hülya Argüz

University of Versailles Saint-Quentin-En-Yvelines

## Abstract

Mirror symmetry is a phenomenon discovered by string theorists, which relates physical theories obtained using different deformation families of Calabi-Yau manifolds. An algebro-geometric approach to mirror symmetry, which uses tropical and log geometric tools to construct such families of Calabi-Yau manifolds, is provided by the Gross-Siebert program. In this talk we will review the most recent advances in this program, and particularly report on our joint work with Mark Gross.

**Date :** Wednesday, September 16, 2020

**Time:** 18.00

**Details :** <http://sntp.ca/ucgen/>