

Arithmetic Mirror Symmetry of K3 surfaces and Hypergeometric Functions
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(This talk is a continuation of "Mirror symmetry and K3 surface zeta functions".)
Among the arithmetic correspondences predicted by mirror symmetry are correspondences between point counts. In particular, we describe closed formulas for the point counts for our alternate mirror families of K3 surfaces, and explore their relation to their Picard-Fuchs equations and hypergeometric functions.