

Departmental Colloquium

Triangulations of the sphere

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Abstract: I will discuss some ways that triangulations of the two-dimensional sphere connect to various areas of mathematics: (1) how modular forms and the Siegel-Weil formula relate to the enumeration of buckyballs, (2) how representation theory of the symmetric group arises in generalizing these enumerative results, and (3) how triangulated affine structures arise when compactifying moduli spaces of K3 surfaces.

Friday, December 2 at 3:00 PM in 636 SEO