

## Two Gauged Linear Sigma Models for non-spherical Calabi-Yau manifolds

*Thursday, 13 July 2017 16:00 (1 hour)*

I will describe two GLSMs with gauge group  $U(2)$ , that help to understand geometry of a hyper-kähler 4-fold and of an abelian surface (varieties of lines on del Pezzo manifolds). By RG flow one can relate sigma-models on these CYs to “symmetric squares” of smaller theories, despite the fact that for very general cubic fourfold its variety of lines is not birational to a Hilbert scheme of a K3 surface.

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