THE GREENE-PLESSER CONSTRUCTION REVISITED

Charles DOran
University of Alberta

Nov 10, 2021, **4-5pm**
Zoom link:

https://bostonu.zoom.us/j/93731959866?pwd=b2JaWTE1TkRPdEpXRXk0M1pPQkIzdz09

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Abstract: The first known construction of mirror pairs of Calabi-Yau manifolds was the Greene-Plesser "quotient and resolve" procedure which applies to pencils of hypersurfaces in projective space. We'll review this approach, uncover the hints it gives for some more general mirror constructions, and describe a brand-new variant that applies to pencils of hypersurfaces in Grassmannians. This last is joint work with Tom Coates and Elana Kalashnikov (arXiv:2110.0727).

See `http://math.bu.edu/research/geom/seminar.html` or contact Yu-Shen Lin (*yslin@bu.edu*) or Siu-Cheong Lau (*lau@math.bu.edu*) for more information.