



COLLOQUIUM

Thursday, November 29, 2018

4:00 p.m. – 5:00 p.m.

315 Armstrong Hall

Beyond matrix factorizations

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Matrix factorizations of polynomial functions were introduced and studied by David Eisenbud in 1980. In the 1990's, Maxim Kontsevich proposed that matrix factorizations provide a good mathematical model of certain objects in string theory. We give a basic overview of matrix factorizations, discuss their major applications, and present some recent further directions.