

Department of Mathematics and Statistics Colloquium

Resolutions of Determinantal Ideals

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Abstract: Though you might not be able to tell from the title, this talk is related to operations on matrices and algebra. Determinantal ideals have been studied for over a century and they continue to be of interest to mathematicians. The structures of several resolutions of determinantal ideals have been determined and they have been given names. After looking at some simple cases, we will take a matrix with entries that are variables and then calculate determinants of sub-matrices of that generic matrix. We will then use these sub-determinants to create a resolution.

Monday, March 21 at 3:45 in Room 103
refreshments at 3:30