NORTHERN
ARIZONA
UNIVERSITY

Department of Mathematics and Statistics
Colloquium
Tuesday   April 10
AMB 164   4:00 - 5:00 pm

Higher resonance in the braid arrangement

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Abstract

Abstract: We will define higher resonance in terms of the Orlik-Solomon algebra of a matroid or arrangement, and discuss motivation and consequences. We then explain how strong or weak maps of matroids give rise to this phenomenon. We'll illustrate the ideas by studying a particular strong map on the underlying matroid of the braid arrangement.

Refreshments at 3:45