

Department of Mathematics and Statistics Colloquium

Linear Configurations of Skeleta of Simplices

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Abstract: Braid groups arise as fundamental groups of configurations of points in the plane. In this talk we'll look at the analogous group one gets from linear configurations of a tetrahedral graph K_5 in \mathbb{R}^3 , and two families of higher dimensional analogs. Surprising, the similar configuration space with K_5 in place of K_4 , has the same homotopy type as the K_4 case, and this homotopy equivalence holds for higher dimensional analogs.

Monday, March 24 at 3:45 in Roop 103
refreshments at 3:30