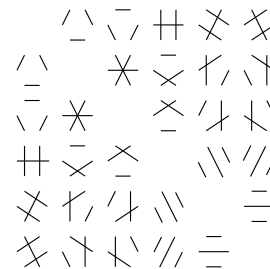# Mathematics Seminar

Rocky Mountain Algebraic Combinatorics Seminar

Sign Variations and Descents

Aram Dermenjian

York U., Toronto

In this talk we consider a poset structure on projective sign vectors. We show that the order complex of this poset is partitionable and give an interpretation of the h-vector using type B descents of the type D Coxeter group.

Based on joint work with Nantel Bergeron and John Machacek, and is a continuation of the work by John Machacek. arXiv preprint: 2008.03794

Online via Zoom

`https://zoom.us/j/95321487441?pwd=Tlp4VG9pejZCekJmeDFFb1BzeWpsdz09`, Meeting ID: 953 2148 7441, Passcode: 722523

4 pm, Friday, September 18, 2020

Talk part 1, 4.10-4.35,

Break 4.35-5.05 at `https://gather.town/HQmdvgyabpEL4qpB/RMAC`,

Talk part 2 5:10-5:35

This is a joint Denver U / UC Boulder / UC Denver / U of Wyoming / CSU seminar that meets biweekly.
Anyone interested is welcome to join us at a local restaurant for dinner after the talks.

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