VCU Discrete Mathematics Seminar

Minimal Sets, Union-Closed Families, & Frankl's Conjecture

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(VCU)

Wednesday, Nov. 29
1:00-1:50 EST

In person! in 4145 Harris Hall, and Zoom @
`https://vcu.zoom.us/j/92975799914`
`password=graphs2357`

The most common statement of Frankl's Conjecture is that for every finite family of sets closed under the union operation, there is some element that belongs to at least half of the sets in the family. Despite its apparent simplicity, Frankl's conjecture has remained open and highly researched since its first mention in 1979. In this talk we will focus on union-closed families as partially-ordered sets, invariants and concepts (including minimal sets) coming from poset theory, and constructions of families with parameters including height and width.

For the DM seminar schedule, see:

`https://go.vcu.edu/discrete`