

VCU Discrete Mathematics Seminar

A New Domination Game

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Wednesday, Jan. 29
1:00-1:50 EDT

On Zoom! with a watch party in 4145 Harris Hall. Zoom
info: <https://vcu.zoom.us/j/92975799914>
password=graphs2357



Imagine a game where two players take turns picking numbers from 1 to 100 with no repetition. The game ends when every number has either been chosen or is one away from a number that has been chosen, and the last player to make a move wins. Can you think of a winning strategy? In this talk we will show how to win this game, and then explore variants played on graphs and groups. In the case of graphs, the players take turns choosing vertices until the chosen vertices form a dominating set.

This is based on joint work with Sean Fiscus, Glenn Hurlbert, and Travis Pence.

For the DM seminar schedule, see:

<https://go.vcu.edu/discrete>