

VCU Discrete Mathematics Seminar

Notes on Pushing Blocks from outside a Square Grid

**Edison Hauptman
(University of Pittsburgh)**

Wednesday, Oct. 14
1:00-1:50 EDT

On Zoom with 4145 Harris meetup option:

<https://vcu.zoom.us/j/81475528886>
password=graphs2357



Can you push blocks around a grid to get one to a designated spot, assuming that you can only push blocks if they are adjacent to the border? I will share some notes on this puzzle, including a wide class of solutions which can be found using invariants, and I will pose some open questions.

For the DM seminar schedule, see:

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