

## Math Colloquium: "Random Sorting Networks"

November 25, 4:00PM–5:00PM

KINSC H109.

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Zach Hamaker (Dartmouth College). KINSC H109.

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### Description

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Bi-College Math Colloquium

"Random Sorting Networks"

Zach Hamaker, Dartmouth College.

Talk at 4 in KINSC H109

Tea at 3:30 in the Math Lounge (KINSC H208)

Abstract: A sorting network is a way to reverse a list of numbers by swapping adjacent entries in the list using as few swaps as possible. We will discuss what a random sorting network looks like. To do so, we will highlight the role of simulation in mathematics, use combinatorial and probabilistic techniques and explore what it means to describe a random object. There will be open problems. There will be surprising conjectures. We will look at the best pictures. It will be assumed that the audience is familiar with limits.

**Link:** <http://www.haverford.edu/mathematics/events/colloquium.php>

### For More Info

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