

BI-CO MATHEMATICS COLLOQUIUM

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“Groups, graphs, and the Cantor Set”

Monday, March 28, 2016

Talk at 4:00 – Park 338
Tea at 3:30 – Park 355, Math Lounge

Abstract:

This talk will begin with a definition of the Cantor set, a remarkable object that enjoys many special properties. We will utilize a graph representation of the Cantor set, and focus on a group formed by a collection of maps from the graph to itself. The group is called Thompson's group V after Richard Thompson, the logician who discovered it. The goal of this talk will be to examine the group V in detail, to study some of its unique properties, and to see which graph groups exist as subgroups of V (Joint work with Nathan Corwin).

This talk will be accessible to undergraduates.

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