

Visiting Faculty Talk #2

Date and time: Wednesday, July 1st, 3:00 p.m.

Speaker: Prof. Bruce Hughes, Vanderbilt University Department of Mathematics

Title: *Trees, ultrametrics, and groups*

Abstract: This talk is about the symmetries of infinite trees. Of particular interest are the symmetries that exist after removing a finite subtree. I will discuss two ways that these symmetries might be explored. The first involves the geometry of an ultrametric space at infinity. The second uses linear algebra to define a group of symmetries at infinity. I will illustrate these concepts with examples.