Title: The growth of Grigorchuk's group.

Speaker: Collin Bleak

Date: 27th November, 2012.

Abstract

Grigorchuk's group was the first example of a finitely generated group with intermediate growth, which went against a conjecture of Milnor's that such should not exist. We will discuss the definition of the group and trace through the outline of the argument of intermediate growth, following the discussion in de La Harpe's book. Also, I will provide a bit of historical context to put the example in perspective.