

## Graduate Geometry, Topology and Dynamics Seminar

### *van Kampen's Theorem and Group actions on Trees*

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**Abstract:** Starting with van Kampen's theorem we trace how a group splitting gives rise to an action on a tree. We will survey (but probably not prove) converses and related structure theorems for groups one can obtain when the group acts on a tree. This talk will be accessible to anyone with a familiarity with van Kampen's theorem.

Wednesday, September 2 at 3:00 PM in SEO 612