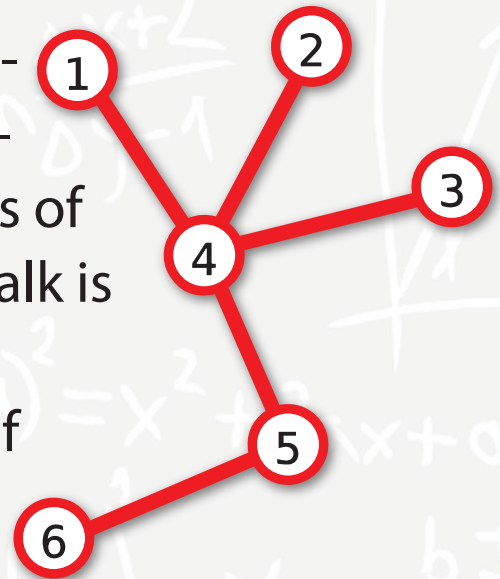# MathTable

# Arborescences of Regular Covering Graphs

## CJ Dowd

Spanning trees are fundamental objects of study in graph theory; covering spaces are fundamental objects of study in topology. The goal of this talk is to explore the interaction between these two concepts—in particular, if you know the arborescences (directed spanning trees) of a graph, how easily can you figure out what the arborescences of the covering graph look like? In this talk, we will go over what arborescences and covering graphs are and mention why we care about these objects.

**Wed, Oct 16 at 6 pm in SC 507** (Dinner will be provided)