

TEMPLE UNIVERSITY MATHEMATICS COLLOQUIUM

Daniel Groves

University of Illinois Chicago

will speak on

Cube complexes in group theory and topology

ABSTRACT: In recent years, the theory of cube complexes, and particularly ‘special’ cube complexes, has seen some spectacular application most notably Agol’s use of special cube complexes in his proofs of the Virtual Haken and Virtual Fibration Conjectures. In this talk, I will introduce the main objects in the area, and explain how they fit together, ending with a result which generalizes Agol’s Theorem. This is joint work with Jason Manning.

MONDAY, MAY 2

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:40 PM

ROOM 617, WACHMAN HALL

DEPARTMENT OF MATHEMATICS