

MASTER'S THESIS  
DEFENSE

*The Quantum McKay Correspondence: Classifying "Finite Subgroups" of a Quantum Group with Graphs*

Paul Vienhage  
Emory University

**Abstract:** The McKay Correspondence classifies finite subgroups of the rotation group of 3-space via graphs. In this talk we explore a quantum version of this correspondence. Specifically, we will cover the needed background on category theory, vertex operator algebras, and quantum groups to explain a powerful technique used by Kirillov and Ostrik to develop a quantum analog to the McKay correspondence.

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Mathematics and Science Center: E406

Advisor: John Duncan

MATHEMATICS AND COMPUTER SCIENCE  
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