

Thursday, December 5, 2019

4:30–6:00 pm / SAS 2102

# Undergraduate Research Presentations

*Coxeter groups and the lattice of total orders*

Grant Barkley

*Optimal Control: Getting the Most Out of Controllable  
Systems*

Ryan Brandt

*Counting the Number of Matrices that are Squares and  
Higher Powers*

Jonathan Dunay

*Stability analysis of nonhomogeneous delay differential  
equation system of the Valsalva maneuver*

Nick Randolph

*Signature Schemes for the Additive RSA*

Claire Steffen

*Sobolev Orthogonal Polynomials on the Sierpinski Gasket*

Sreeram Venkat

NCSU Society for Undergraduate Mathematics

## SUM Series

Mathematics and pizza!