

# Mathematics Colloquium

## Frost Undergraduate Research Talks

Friday, November 30, 2018

4:10 – 5 p.m.

Building 53 Room 206

Three teams of Frost Research Fellows will share their summer research, both in progress and completed, with the department. After all of the students share their work, they will combine for questions about the research, and about the Frost experience. This event is intended both for faculty to hear about some of our students' research, and also (especially!) for students of all years to hear about summer research opportunities and benefits of applying for Frost Undergraduate Research Awards. Students in their first, second, and third years are strongly encouraged to attend!

*The titles and students presenting are:*

“Flat Portions on the Numerical Range of a  $4 \times 4$  Nilpotent Matrix” presented by Mackenzie Cox, Grace Hochrein, and Weston Grewe. Their work was done under the guidance of Dr. Patton.

“Unitary Equivalence for Tensor Products of Linear Operators” presented by Chase Peak and Jordan Rowley. Their work was done under the guidance of Dr. Gu.

“Recognizing Overlapping Handwritten Digits using Neural Networks” presented by Grant Bernosky, Cameron Fredrickson, Timothy Royston, and Alexa White. This work was done under the guidance of Dr. Stankus.

Cookies will be provided before the talks at 4 p.m.  
in the same room as the talk, Building 53 Room 206.