

Undergraduate Mathematics Colloquium

**Jonathan Celaya `17
Konstantinos Varvarezos `16**
Rice University

“What I Did Last Summer”

Friday November 18

Talk at 4:00 in Herman Brown 227

Tea at 3:30 in Herman Brown 438

Pizza after the talk

ABSTRACT: Come hear two Rice math majors tell you about their research experiences last summer! They will tell you about their projects and what they enjoyed about the experience. There will also be lots of time for questions so that you can learn about the opportunities available for you!

Jonathan worked with sandpile groups, which use algebra and combinatorics to model avalanches and landslides. Konstantinos worked on finding optimal connections in a city-suburb network, using calculus of variations to deal with various kinds of obstacles.

Rice University Department of Mathematics