

*Student
Seminar*

Pi Mu Epsilon

& GAMECOCK MATH CLUB

Automated Conjecture Making

by Taylor Short
USC Graduate Student



Taylor Short

It is now possible for a computer to generate conjectures that are designed to address or advance specific mathematical questions. Computers will soon assist mathematicians in ways that many have believed to require human intelligence. Craig Larson (VCU) and Nico Van Cleemput (Ghent University) have developed a program, based on a heuristic of Fajtlowicz, that can be used to make invariant-relation or property-relation conjectures for any kind of mathematical object. USC graduate student Taylor Short will explain how the program works; using primarily graph theory and number theory to illustrate the use of the program. The program is open source and can be used by anyone interested.

Wednesday 1st April 2015

6:00 pm

LC 310

For more info visit PME/GMC on FaceBook and at <http://people.math.sc.edu/pme/>