

Mathematics & Statistics Colloquium Swarthmore College

David Lowry-Duda

Senior Research Scientist, Mathematician,
and Cryptographer; ICERM



Königsberg primes and other computational invitations to number theory

What do the bridges of Königsberg have to do with primes? And what does computation have to do with number theory? Despite being abstract and "pure", discovery in number theory usually builds on experimentation and data. In this talk, we're going to look at several concrete, explicit problems with integers. We'll study these problems, gather data, guess behavior, and discover some (but not all!) of their properties.

No background in number theory or computation is necessary for this talk.

Tuesday, April 22

Sci 199, Cunniff Hall Tiered Classroom

Refreshments 4:15-4:30pm, Lecture 4:30-5:30PM