

Department of Mathematics and Computer Science

Friday, April 19, 2019, 4:10 pm

COLLOQUIUM TALK

Speakers: Set Yeakel (EIU) & Joe Melberg (EIU)

Old Main 2210

Come hear what our student researchers have been up to!

Billiards with Pockets: Some structural observations

Seth Yeakel

Abstract: A billiard system is a dynamical system in which trajectories reflect off the walls of a polygon with angle of reflection equal to angle of incidence. A trajectory terminates if it hits a vertex. This talk will focus on the introduction of pockets surrounding each vertex and a theorem relating pocket size to the trajectories that avoid the pockets. We have found a direct correlation with a well-known complex with rational vertices called the Farey complex. We will display a graph illustrating this correlation. The talk should be accessible to everyone.

An Examination of Database Solutions

Joe Melberg

Abstract: As our data grows, so, too, does the need for systems to handle it. This talk will give an overview of what Big Data is, different ways of interfacing with it, and how those methods compare in terms of speed, convenience, and utility.

SNACKS IN FACULTY LOUNGE AT 3:30 PM.
EVERYONE WELCOME (EVEN IF YOU ARE UNABLE TO ATTEND THE TALK)
