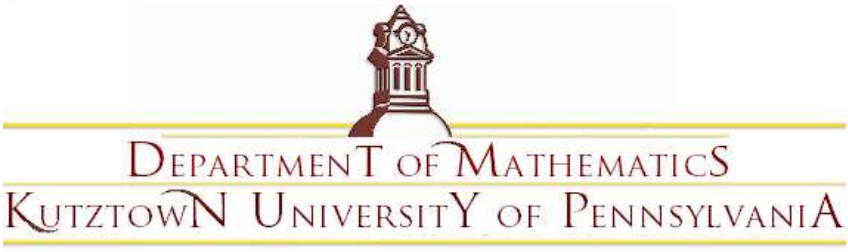

Colloquium

A Mathematics Inquiry Learning at Kutztown
Undergraduate Research Presentation (MILK-URP) Lecture

11:00 a.m.
Friday, April 22, 2011
Lytle Hall 214

An Exordium of Self-Intersecting Polygons

Mr. Nicholas Owad

B.S. Mathematics (2010) & B.S. Physics (2010)

Kutztown University of Pennsylvania Graduate

Abstract

In this talk will cover the essential aspects of Twisting Theory, a mechanism that was developed by the author to generate self-intersecting polygons through sequences of twists.

After exploring the basic definitions and operations of the theory, stars and bowties will be presented in depth as examples of the connections between twists and self-intersections. We will state and prove some major theorems, and conclude with open questions and conjectures.

11:00 a.m.
refreshments served

11:10 a.m.
talk begins

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