Date: Friday, November 14
Location: ECA 225
Time: 2 – 2:50 PM
Speaker: Jonathan Perinetti

Title: Quick, High Quality Shapes and Graphs in Windows (and Linux or MAC OS)

Abstract:
Geogebra is a program that allows its user to quickly draw mathematical imagery. Included in the interface are toolbar buttons for points, lines, line segments, angles, conic sections, and a few other miscellaneous shapes. Additionally, one can enter equations in function form to graph polynomial, rational, exponential, and trigonometric functions (to name just a few). The interface is very user friendly and the program highly customizable. One can zoom in/out, add labels (user defined, automatic listing of angles formed, etc.), define axes and the grid (label tick marks in multiples of pi or just integers, max/min, units), define color of each object and curve, and more.

Once the image is generated, it can be copied into a drawing program to be customized further if desired. The requisite part of the image can then be copied and pasted into Word, or saved as an image file for use in LaTEX.

Geogebra is faster and more easily manipulated than plots generated in CAS programs. It is a wonderful program for creating images for notes, quizzes, exams, and any other places a mathematical drawing is needed.

Please join me for an introduction to the software – my hope is that it serves you as well as it has served me.