The Undergraduate Mathematics Colloquium Presents:

Exploring Advanced Euclidean Geometry with GeoGebra

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3:30 - 4:30
Bannan 403

Abstract

In this talk we will take a look at some of the amazing results of Advanced Euclidean Geometry. The theorems in the subject are often beautiful, surprising, and yet accessible. This branch of mathematics thrived from the time of Euler until the late 19th century, but during most of the 20th century it was considered to be somewhat of a mathematical backwater. It is currently enjoying a revival; the primary reason for this is that we now have dynamic geometric software that can be used to explore the subject. A secondary goal of the talk is to show how the open source software package GeoGebra can be used to facilitate this exploration.