

Investigate Geometrically - Verify Symbolically
Approaching Extreme Value Problems Interactively
Gerald White
Western Illinois University
Macomb, IL
Gearald_White@ccmail.wiu.edu

Abstract

This workshop is based on the paper that I presented at the ICTCM in Chicago in November of 1997. Using the dynamic properties of the Geometric Application of the TI92, example situations are constructed and pulled through various positions until the automatic calculations suggest an approximation of an extreme value.

Stat plots of data collected will also aid in the investigations. The TI-92 is used to support and verify the solutions using calculus. Several problem situations will be set up to be investigated.