Monica Pierri-Galvao* (pierri@gannon.edu), Department of Mathematics, Gannon University, 109 University Square, Erie, PA 16541. Using the Geometer’s Sketchpad Software for Introductory Calculus Demonstrations.

In an Era when students spend a great amount of time in front of a computer, animation and computer images seem like a reasonable way to convey ideas to them. Using the Geometer’s Sketchpad Software, one can create interactive demos with sliders, show/hide buttons and animations that can be used to introduce course concepts.

In this presentation, I will discuss and demonstrate a variety of GSP demos that I have created for pre-calculus and calculus courses. In addition, I will discuss the impact on the student understanding of some of the concepts through data on test scores. (Received September 22, 2005)