

1014-Z1-1191 **Jennifer Hontz*** (hontzjen@meredith.edu), Department of Mathematics & Computer Science, 3800 Hillsborough Street, Raleigh, NC 27607, and **Timothy M Hendrix** (hendrixt@meredith.edu), Department of Mathematics & Computer Science, 3800 Hillsborough Street, Raleigh, NC 27607. *Graphing Calculator Software in Calculus.*

Graphing Calculator is a software tool currently being used in our Calculus I classes for illustrating specific examples. These classroom activities can be prepared by the instructor or explored further by the students. Graphing Calculator's power lies in its abilities to create multiple sliders, its extreme zoom capabilities, and its simplicity in graphing. In this talk, we will demo graphing activities such as transforming functions, exploring limits graphically, understanding the limit definition by sketching specific neighborhoods and illustrating the derivative definition by drawing secant lines. (Received September 27, 2005)