

1125-H5-1390      **Nicole R Juersivich\*** (njuersi9@naz.edu), 7 Morgan Chase, Honeoye Falls, NY 14472.

*Promoting Mathematical Proficiency with Technology and Structured Inquiry in Calculus*

*I. Preliminary report.*

Technology is a natural cognitive support for inquiry because it provides students with a tool to guide their experimentation, conjecturing, and communication. Using the National Research Council's components of mathematical proficiency, I created three structured- inquiry workshops employing three different types of mathematical action technology that addresses common misconceptions in differential calculus. This presentation will focus on the design, implementation, and informal assessment of the technology workshops with respect to student understanding and engagement. (Received September 16, 2016)