1106-D5-2883 **Paul E Seeburger*** (pseeburger@monroecc.edu), 1000 E. Henrietta Rd., Rochester, NY 14623.
Making Calculus More Engaging with WeBWorK and Visualization. Preliminary report.

A discussion of the impact of WeBWorK on my Calculus II course and a brief tour of several Java applets I've developed to help students visualize calculus. Although I have developed over 100 applets for various calculus textbooks, all of the applets demonstrated in this presentation can be found on my webpage. Illustrated concepts include piece-wise functions, tangent lines, sketching derivative graphs from the graph of a function, Riemann sums, accumulation/area functions and the Fundamental Theorem of Calculus, slope fields, washer and shell methods, volumes with a common cross-section, etc. See http://web.monroecc.edu/calcNSF. (Received September 17, 2014)