

1125-H5-2669      **Philip B. Yasskin\*** (yasskin@math.tamu.edu), Dept of Mathematics, Texas A&M University, 3368 TAMU, College Station, TX 77843-3368, and **Douglas B. Meade** and **Andrew Crenwelge**. *MYMathApps Calculus - Building on Maplets for Calculus*. Preliminary report.

MYMathApps Calculus is a calculus text, under development, which is totally online. It includes:

- randomly generated tutorials and exercises in addition to the standard text, examples and exercises
- user-controllable animations as well as standard static graphics
- hyperlinks both internally and externally. In particular, exercise pages link back to the pages where the material is discussed.
- pop-up notes, for things like proofs, which do not obstruct the flow of the text.

This text has grown out of the WebCalc project by the author, Don Allen and Mike Stecher at Texas A&M University and the Maplets for Calculus project by the author and Doug Meade at the University of South Carolina. The text is being written in HTML5, Javascript and MathJax so it is available on all devices. The work is supported in part by NSF DUE TUES-2 grant 1123255. (Received September 20, 2016)