1135-VD-3054 **Philip B. Yasskin*** (yasskin@math.tamu.edu), Department of Mathematics, Texas A&M University, 3368 TAMU, College Station, TX 77843-3368, and **Andrew Crenwelge**, **Joseph Martinsen**, **Matthew Weihing** and **Matthew Barry**. *Interactive Animations in MYMathApps Calculus.* Preliminary report.

MYMathApps Calculus is an online text for calculus 2 and 3, with more topics planned.

- The text includes many animations created using Maple in addition to the standard static graphics. Interactive animations are being created using Three.js, Javascript MathLex and Sage.
- Examples in the text have full solutions. Exercises in the text have hints, answers and solutions which gradually appear.
- There are internal and external links for additional information, like proofs, that are available to those students who wish to learn more.
- Exercise pages have links back to the pages where the material for each exercise is discussed.
- Many topics have randomly generated tutorials, animations and exercises based on the Maplets for Calculus.

MYMathApps has grown out of the WebCalc project involving Yasskin, Don Allen and Mike Stecher at Texas A&M University, and the Maplets for Calculus project involving Yasskin and Doug Meade at the University of South Carolina. The text is being written using modern web technologies so it is available on all devices. The work is supported in part by NSF DUE TUES-2 Grant 1123255. (Received September 26, 2017)