## 1096-P5-1996 Philip B. Yasskin\* (yasskin@math.tamu.edu), Department of Mathematics, Texas A&M University, 3368 TAMU, College Station, TX 77845-3368, Douglas B. Meade (meade@math.sc.edu), Department of Mathematics, University of South Carolina, Columbia, SC 29208, and Matthew J. Barry (komputerwiz.matt@gmail.com), Department of Mathematics, Texas A&M University, 3368 TAMU, College Station, TX 77845-3368. Maplets for Calculus: Expanding offerings and opportunities in Precalculus, Calculus and Differential Equations.

The Maplets for Calculus v.1.3 is an ICTCM award-winning, and NSF supported, collection of 129 applets that tutor students in precalculus and calculus. The new release, v.1.4, has over 200 applets, including 13 new applets on precalculus (including 5 on complex numbers), 11 on limits, 9 on derivatives, 3 on integrals, 1 on series, 8 on geometry and vectors, 2 on partial derivatives, and 4 on differential equations. Some of these will be presented in the talk. We will emphasize how they have proved useful in the classroom as well as for out of class study. Most of these were initially designed by students in honors calculus classes at Texas A&M University. We will a;so demonstrate our initial attempts at converting the Maplets into the Java-independent MYMathApps Lessons which will work in any browser including those on mobile devices. (Received September 17, 2013)