1035-P1-1661   **Philip B. Yasskin*** (`yasskin@math.tamu.edu`), Department of Mathematics, Texas A&M University, 3368 TAMU, College Station, TX 77843-3368, and **Douglas B. Meade** (`meade@math.sc.edu`), Department of Math, University of South Carolina, Columbia, SC 29208. *Maplets for Calculus - Intuition, Computation, Drill and Simple Proofs.*

Maplets for Calculus is a collection of over 75 Maple applets for teaching single-variable calculus, including precalculus, limits, derivatives, integrals, differential equations, sequences, series, and polar coordinates. The Maplets are highly pedagogical, using either randomly-generated or user-entered problems. Most of the Maplets ask the student one or more questions and guide the student through the solution process. They help build intuition, provide routine computational practice and/or guide students through the steps of simple proofs. Instructors may also use them as effective classroom demonstrations (including 2D and 3D graphics and animations). This collection of Maplets are proving useful at both the college and high school level. An updated version has recently been released.

A Table of Contents and sample videos may be seen at http://calclab.math.tamu.edu/maple/Maplets/Contents.html (Received September 20, 2007)