

1046-E1-650

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Finding eye-catching web-based resources is easy. The challenge is to find effective ways to use them – within the classroom and beyond. Resources that merely solve the problem for the students or show them the solution do not engender true learning. The students need to be thinking through the solution process for themselves.

This presentation highlights the Maplets for Calculus (M4C) – a collection of 94 Maple applets illustrating most of the topics in single variable calculus. (See <http://m4c.math.tamu.edu/>) Each maplet is designed to be usable in several different settings: in a laboratory for student exploration, in the classroom for demonstrations, or by students seeking additional practice with immediate feedback. The maplets use a combination of symbolic, graphic (2D or 3D, sometimes with animation), numeric and verbal devices to investigate problems. Problems are either algorithmically generated or explicitly entered by the student or instructor. The maplets require the user to work through the problem step-by-step requiring correct answers to earlier steps before later steps, or the final answer, can be checked. Hints are available and when errors are detected, instructive feedback is provided. All of this enables students to use M4C as "a tutor without the tutor." (Received September 09, 2008)