

1021-97-54

Haynes Miller* (hrm@math.mit.edu), Department of Mathematics, 2-237, Massachusetts Institute of Technology, Cambridge, MA 02139, and **Deborah Upton** (dupton@stonehill.edu), Department of Mathematics, Stonehill College, Easton, MA 02130. *Computer manipulatives in an Ordinary Differential Equations Course: Development, Implementation, and Assessment.*

A suite of computer programs was created for use as lecture demonstrations and as a basis for homework assignments in a large freshman/sophomore level ODEs class at MIT. We will describe their rationale, creation, and assessment, by means of some examples. (Received August 12, 2006)