1035-I1-165Denise LeGrand* (djlegrand@ualr.edu), UALR Mathematics Dept, 2801 University Ave,
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The tablet PC has solved many problems involving the typing and presenting of mathematical equations in documents and on the web. The inking capabilities have made the tablet far superior to other laptops. Technology has made most of these tools free and easy to use with virtually no learning curve. I will demonstrate many of these tools pertaining to the mathematics classroom and will look at available programs that make mathematics come alive. Included is a tool which takes hand written equations and converts them into typeset equations which then can be imported into documents. There is a motion simulator where objects can be drawn and then animated to interact with different forces. A calculator lets the user hand write numbers to perform operations. My most favorite tool that allows interactive learning and student feedback is MathJournal. It is an amazing problem solving tool in that it takes handwritten equations and solves them numerically and symbolically and also graphs. Finally we can screen capture mathematics lectures and post them on the web or produce podcasts. All of these tools will be explored and most are free for use on the tablet PC. Technology has definitely made posting mathematics on the web fun as well as easier and neater. (Received August 07, 2007)