

1046-Z1-79

Michelle R DeDeo* (mdedeo@unf.edu), Department of Mathematics and Statistics, 1 UNF Drive, JACKSONVILLE, FL 32224. *Incorporating Software into College Algebra: Who Wins? We All Do, If...*

Seven years ago, my paper entitled Improving Pass Rates in Mathematics using Interactive Software was published in Selected Papers from the Twelfth National Conference on College Teaching and Learning gave a positive assessment of the use of software as a component in the teaching of College Algebra. The paper supported the idea that interactive mathematics software promotes increased retention and success for students in College Algebra courses and those students were engaged in learning at school and at home.

In 2006, not only was this initial data confirmed, but one particular system proved to be more successful, more flexible and a better fit than the other systems that were tested. This talk updates those results and discusses the continued success.

We evaluate a total of seven years worth of study, present student and instructor feedback and compares how well the students performed in sections that utilized software versus (1) those instructors who made use of the system optional and (2) those that did not use the system. (Received July 21, 2008)