

1077-VI-2620      **Michelle DeDeo\***, mdedeo@unf.edu. *A Decade of Improving Pass Rates in Mathematics using Interactive Software.*

In 2001, 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. This paper gave a positive assessment of the use of software as a component in the teaching of College Algebra. It supported the idea that interactive mathematics software promotes increased retention and success for students in College Algebra courses and that those students were engaged in learning both at school and at home.

Not only has this initial data been confirmed over the past decade, one system proved to be more successful, more flexible, and a better fit than the others that were tested. This talk updates those results and discusses the continued success.

We will evaluate a decade's worth of study, present student and instructor feedback, and compare how well the students performed in sections that utilized software versus: (1) those instructors who made use of the system optional, (2) those who used another system, and (3) those that did not use any system at all. (Received September 22, 2011)