

1014-Z1-194 **Simei Tong*** (tongs@uwec.edu), Department of Mathematics, University of Wisconsin-Eau Claire, HHH 524, Eau Claire, WI 54702. *Maple TA Enhances Significant Learning*. Preliminary report.

Maple TA is computer software that allows instructors to write algorithms that randomly generate open-ended questions. It delivers and grades questions via the internet so students get immediate feedback.

The talk will show evidences of Maple TA in helping student learning mathematics. It will also show student survey results regarding Maple TA in helping students improving understanding of mathematics, building up the confidence and changing the attitude in learning mathematics.

The talk will also help instructors to understand and appreciate the value of technology in helping students learning. It encourages high educators to embrace the new technology in their teaching. (Received August 16, 2005)