

**Meeting:** 1003, Atlanta, Georgia, MAA CP N1, MAA Session on Teaching Visualization Skills

1003-N1-753      **P Gavin LaRose\*** (glarose@umich.edu), Department of Mathematics, The University of Michigan, East Hall, 525 E. University, Ann Arbor, MI 48109-1109, and **Zolt Lavicza**.  
*Assessment of Pedagogy and Perceived Effectiveness of Technology Use in Calculus III.*

In third-semester (multivariable) calculus at the University of Michigan, a Computer Algebra System (Maple) is used for short in-class demonstrations and in formal computer laboratory assignments completed by students. It is expected that these uses of technology facilitate students' understanding of the material and their ability to visualize the mathematical concepts considered in the course. In this paper we report on an assessment of these uses of the technology, their perceived effectiveness, and the degree to which these perceptions are consistent from students to faculty. (Received September 29, 2004)