

Author: Bill Pletsch bpletsch@cnm.edu

Title: The link between Education and Research via CAS

Category: Computer Algebra in Education

Keywords: CAS, Education, Research

Abstract: Over the last 10 years I have been interested in computer algebra systems as both an aid to education and an aid to research. In the course of those years I have had two major breakthroughs in my research. The importance of these breakthroughs can be argued, but not the outcome. Both cases were mediated by CAS, began in instruction, and were generalized to my research. This talk will look at the link between education and research via CAS. There is a potential for rich rewards in research if one simply looks for ideas in the classroom. CAS contributes as a potent aid. This will not always work, but it certainly did for me.