

Approaches to Teaching General Mathematics With Computer Algebra Systems (CAS)

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Abstract

BCS offers many different uses with its symbolic, geometric and statistical approaches in the acquisition and reinforcement of mathematical concepts in the classroom. Today, mathematics teachers and learners have approaches that do not use BCS and acquire and acquire mathematical skills based on it. This article is presented with a BCS software, Maple, to explain some situations in general mathematics in high school and undergraduate education: 1. Working with algebra pre-knowledge in General Mathematics, 2. Helping students to understand and evaluating using BCS. The authors hope that this study will discuss the use of BCS among mathematics learners and teachers, although not all of the prior knowledge in General Mathematics (Calculus).