1043-00-116   **Alexander Hulpke*** (`hulpke@math.colostate.edu`), Department of Mathematics, 1874 Campus Delivery, Fort Collins, CO 80523. *Computer Algebra in Undergraduate Algebra Courses.* Preliminary report.

I will look at some of the problems one encounters when trying to use computer algebra, in particular the system GAP, for teaching abstract algebra courses, and present some material recently developed that might help to remedy these issues. These solutions might be of help not only for teaching but also for (beginning) users of the system. (Received August 22, 2008)