

Meeting: 1001, Evanston, Illinois, SS 9A, Special Session on Solving Polynomial Systems

1001-65-195 **Eugene L. Allgower***, Colorado State University, Fort Collins, CO 80525, and **Kurt Georg**.
Cellular Exclusion Algorithms for Polynomial Systems.

We discuss several exclusion tests for numerically finding all real solutions which lie in a given cell of a system of equations.

The efficiency of the tests is examined and test results are given. (Received August 25, 2004)