1018-11-77 **William Arthur Stein*** (`wstein@ucsd.edu`), University of Washington, Department of Mathematics, Box 354350, Seattle, WA 98195-4350. *SAGE – Software for Algebra and Geometry Experimentation.*
SAGE is free open source software that supports research and teaching in algebra, geometry, arithmetic geometry, etc. SAGE includes the following software, though much more (ongoing) work is needed to smoothly blend these into a single system: Gap, Maxima, Singular, PARI, mwrank, NTL, Numeric, and Python. In this talk I will explain what makes SAGE so cool, illustrate SAGE with some examples, and encourage you to get involved in SAGE development. This talk will be accessible to everybody. (Received February 27, 2006)