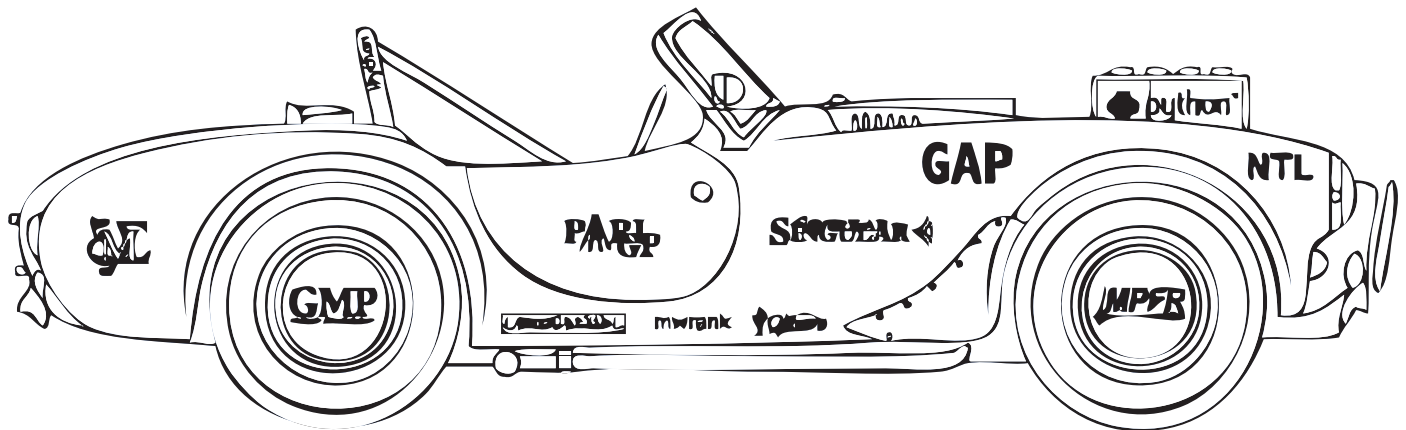


# Monday, August 28

Tea in 1015 Evans from 3-4pm followed by the  
**2006 Serge Lang Undergraduate Lecture**  
4-5pm in 60 Evans

SAGE Building >>The Car<<



>>Every free computer algebra system I've tried has  
reinvented many times the wheel without being able to build the car.<<

## SAGE -- Software for Algebra and Geometry Experimentation

SPEAKER: Professor William Stein, University of Washington

ABSTRACT: If Serge Lang used computers for mathematics research, I suspect that he would be passionately in favor of open source software and maybe even more passionately against closed source mathematics software. I have spent the last two years working very hard (primarily with undergraduates!) to unify and make easy to use free open source software for mathematics research (see <http://modular.math.washington.edu/sage>). In this talk, I will explain the philosophy behind this new software, and illustrate it with many concrete examples related to elliptic curves and the Birch and Swinnerton-Dyer conjecture.