1035-11-382   **William A Stein*** (`wstein@gmail.com`), 1212 E Barclay Court, Seattle, WA 98122. *Computing with Modular Forms Using SAGE.*

Sage (http://sagemath.org) is free open source mathematical software for all types of mathematical computation. Sage is the only general purpose free program available for computing with modular forms. In this talk I will illustrate how to use sage to do computations with modular forms and discuss some of the underlying algorithms. (Received September 05, 2007)