

1096-P5-2643 **Jason Grout*** (jason.grout@drake.edu). *Sage mathematics software in the classroom.*

Sage (<http://sagemath.org>) is a free open-source mathematics software system with a powerful web interface. The Sage Cell server (<https://sagecell.sagemath.org>) provides an easy way to embed live computations directly into any web page with just a few lines of copied javascript and HTML. These computations can include 2D and 3D plots, sliders, buttons, and other interactive controls, and can use Sage, R, Octave, Python, and a variety of other programs. You can also use permalinks and QR codes to link to live computations from paper resources. The Sage Cloud (<https://cloud.sagemath.com>) provides a more comprehensive environment for doing computations, writing T_EX documents, and collaborating with others. We will introduce how to use these resources in your teaching and materials. (Received September 17, 2013)