1106-A0-141   **William Stein***, University of Washington. *SageMathCloud—Integrated mathematical tools in the cloud.*

I will give you a tour of the SageMathCloud, and show you how to use Sage, R, Octave, Python, Cython, GAP, Macaulay2, Singular, and much more in your web browser, edit LaTeX documents with inverse and forward search and Sage mode, collaboratively edit IPython notebooks, Sage worksheets, and all other document types, write, compile, and run code in most programming languages, and use a command line terminal. I will also discuss the commercial aspects of this project and some technical details of how I implemented it. (Received July 28, 2014)