be dependent on commercial software here. An open-source project could, perhaps, find better answers to the obvious problems such as availability, bugs, backward compatibility, platform independence, standard libraries, etc. One can learn from the success of TeX and more specialized software like Macaulay2. I do hope that funding agencies are looking into this.ĊSage was not written from scratch. Most of its underlying mathematics functionalities are made possible through FOSS projects such asĊAn up-to-date list can be found on the page for the standard packages repository. The principle programming languages of Sage are Python and Cython. Python is the primary programming and interfacing language, while Cython is the primary language for optimizing critical functionalities and interfacing with C libraries and C extensions for Python. Sage integrates over 90 FOSS packages into a common interface. On top of these packages is the Sage library, which consists of over 700,000 lines of new Python and Cython code. See ohloh.net for source code analysis of the latest stable Sage release.ĊThe following is an incomplete list of institutions and projects that use Sage. If any institution or project is missing, please let us know by reporting to the sage-devel mailing list.ĊSage has two very active email lists:ĊThere is