

Create SageMath Interacts for All Your Math Courses

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SageMath is a Free Open Source Software that is quickly gaining popularity in many areas of Mathematics. It has a very easy to learn Python-like syntax and gives you access to many open source packages such as: NumPy, SciPy, R, and other. One can freely download and use SageMath from their own computer, or can choose to use it over the Cloud (*SageCell* and *SageCloud* are two great options).

In this talk the presenter will talk about the use of SageMath for various Mathematics courses, for both Graduate and Undergraduate level. He will demonstrate how one can use SageMath as a rich *Computer Algebra System* (for College Algebra, Calculus, Abstract Algebra, Number Theory, etc), as a *programming tool* (for implementing Numerical Methods) or as a great *interactive software* (create SageMath interacts to demonstrate various Mathematics concepts).

References

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- [3] William A. Stein et al., Sage Mathematics Software (Version 6.5), The Sage Development Team, 2015, <http://www.sagemath.org>.