

Talk: What is SageMath good for?

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Abstract: Answer – almost everything you do. I will talk about how you can use SageMath in teaching and research. In particular, how to use Sage to support courses involving computation, to help in collaborative writing of LaTeX documents, to contribute and improve peer reviewed implementations of algorithms, and to explore new mathematics.

START: SCREEN RECORDING!

What is SageMath?

- ▶ **1998:** I wrote Hecke (C++ library and command line for modular forms)
- ▶ **1999:** Started working with Magma group in Sydney (3 visits); contributed a lot of modular forms (and related).
- ▶ **2005:** Made first public release of Sage. Goal was to create an open source alternative to Magma (for my research), building on existing open source software when possible (e.g., Python,