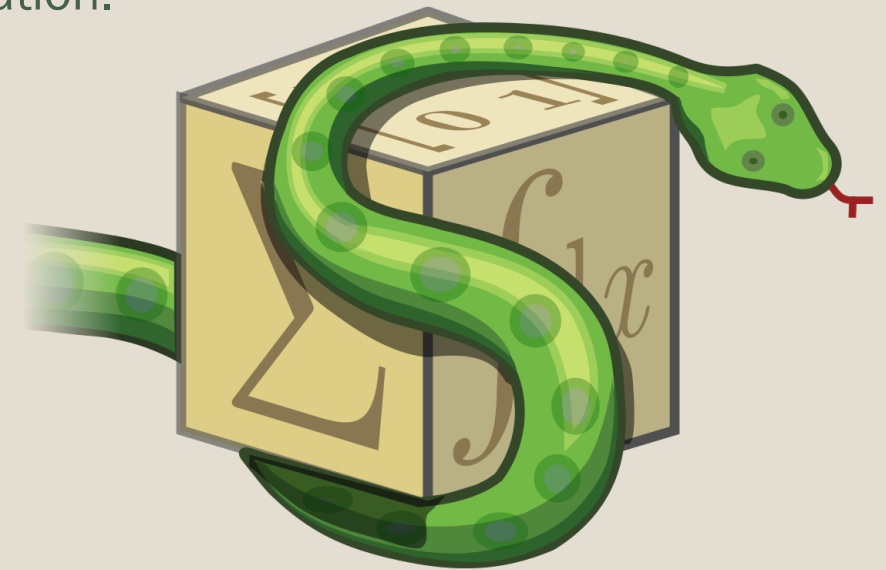


Simply SymPy

Presented By: James Baker Jr.

What is SymPy?

- Free Python library for symbolic Mathematics/ computation.
- Created by Ondrej Certik; taken over by 24 Students; now maintained on GitHub
- Used in many projects:
 - *Cadabra*
 - *PyDy*
 - *ChemPy*



SymPy

Why use SymPy?

- Useful built in functions
- Allows for concise and precise calculations
- Can be embedded in other applications
- Makes for better presentation

Who uses SymPy?

- Mathematicians
 - *Algebra, Calculus, Geometry, Statistics*
- Scientist
 - *Physics, Chemistry*
- Data Scientist

Ways to use SymPy

- Comes packaged in Anaconda
- Pip install SymPy
- SymPy Live (SymPy shell)

Useful links

- www.SymPy.org
- [The SymPy GitHub](#)
- [SymPy Live](#)