SymPy
Python library for symbolic mathematics

Vladimir Perić, 2014.

About SymPy

- Pure Python library for symbolic mathematics
    - No dependencies
    - No separate language to learn
- Alternative to Mathematics, Maple...
    - Proprietary
    - Hard to extend
    - Implement own syntax and language

Development

- Started in August 2006 by Ondřej Čertík

- Currently developed on Github

    - "always sunny in master"

    - Tested continuously by Travis-CI

    - Communication via mailing list, IRC, Gerrit

- Around 350 contributors

    - Almost 20 000 commits

    - With about 250 000 lines of code

- Involved in GSoC since 2007

    - Over 30 participants

My contribution

- I was accepted to GSoC in 2011

- Porting to Python 3

  - Single code-base, using the 2to3 tool
  - Improvements to the testing infrastructure

- Successfully completed

  - Code shipped in October 2011

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