Python tools for Signal Processing

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About Me

- Scientific software developer at Enthought, Inc.
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- Student of Data Science and amateur hacker
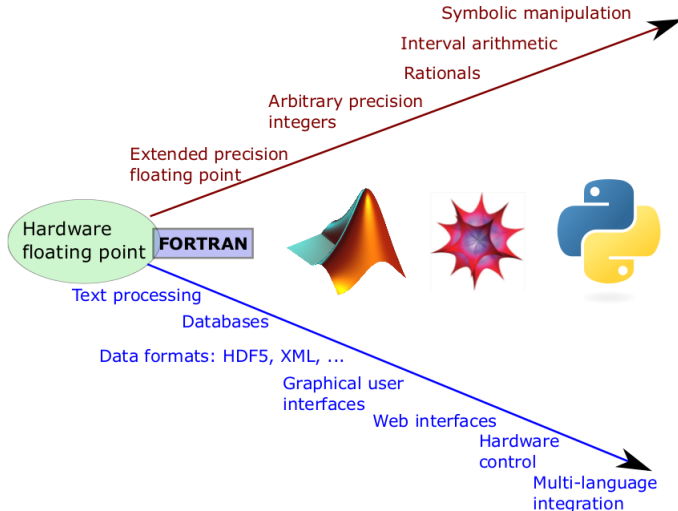
Why Python?

The Galaxy Zoo Challenge

Who Uses Python?

Python in Scientific Computing

Symbolic manipulation

Interval arithmetic

Rationals

Arbitrary precision integers

Extended precision floating point

Hardware floating point   **FORTRAN**

Text processing

Databases

Data formats: HDF5, XML, ...

Graphical user interfaces

Web interfaces

Hardware control

Multi-language integration

[1]Images courtesy of Ondrej Certik, Fernando Perez

Scientific Python Ecosystem

[2]Images courtesy of Ondrej Certik, Fernando Perez

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Diving in

Go to `http://github.com/jaidevd/viit_ieee`

Getting Help

- Google!
- http://scicomp.stackexchange.com
- http://docs.scipy.org

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