

Python Meetup 1



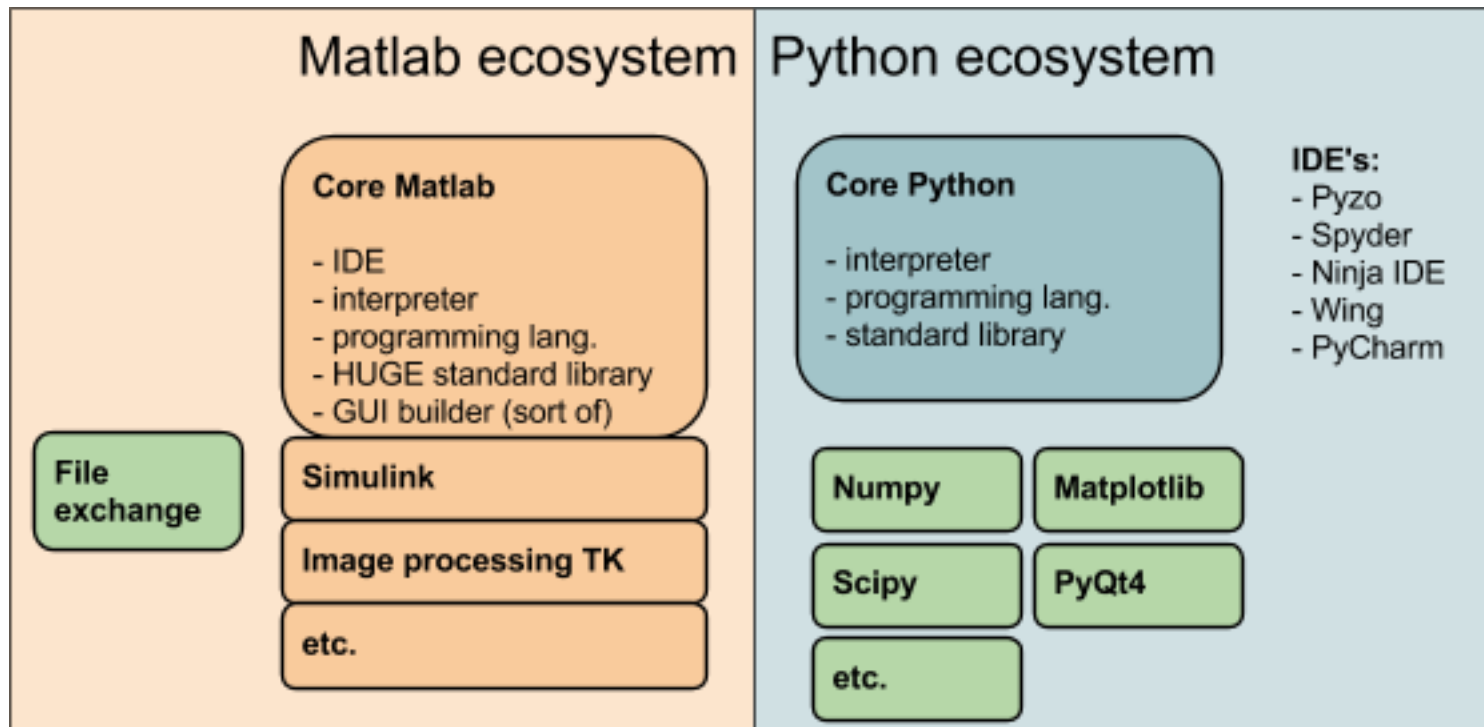
Python, by definition, is a programming language. The most common implementation is that in C (also known as CPython) and is what is mostly referred to as “Python”. Apart from the programming language and interpreter, Python also consists of an extensive standard library.

Goals listed on the DARPA Python proposal for:

- An easy and intuitive language just as powerful as major competitors
- open source, so anyone can contribute to its development
- code that is as understandable as plain English
- suitability for everyday tasks, allowing for short development times



Matlab to Python...



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Matlab cons..

well-known memory management deficiencies.

sprawling mess of interconnected m-files.

Matlab is expensive

The algorithms are proprietary

lacks the concept of a 'data table'

difficult/impossible for 3th parties to extend the functionality of Matlab

MATLAB classes are needlessly complicated

Figures are hard to render well

Mathworks puts restrictions on code portability, the ability to run your code on someone else's computer

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Matlab pros..

It has a nice IDE

So let's help each other make the switch...

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Introductions

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Cryoscripts GitHub repo

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V quick Python demo!

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Alek Petty

Questions?

Plans for future meetups?