

SPEED

... intro to Cython

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My Background

Feedback
Loop



ython C-Extensions for Python

- [Interacting with C/C++ libraries
- [Speeding up python code

General idea:

A python to
C compiler

Produces line by line translated C code

[illegible]

Basic workflow

- [Rename file from .py to .pyx
- [Add types to your variables
- [Add some lines to setup.py
- [Compile & Run

DEMO:

Heap Operations

Speedup: 5.5x

***Excluding python
calling code: 9x***

Caveats

- [Recompiling after changes
- [Harder to debug
- [Calling python methods with Cython
can negate advantages

Thats all,
Thanks