Python for Tool Developers

# Lab 4

# 11/11/2016

### Lab 4. Ctypes and Timing

Ctypes will allow you a way to call functions written in C from Python.

You will be given a file called *libmymath.so*. Additionally the source code for this library will be made available.

Exercises

1. Create a python program that, using ctypes, will call and print the output of all of the different available functions in the provided C shared library.

2. Write Pure Python equivalents to the C methods in the library.

3. Using the *timeit* module, Output timeit values for both the pure python methods and the C methods.