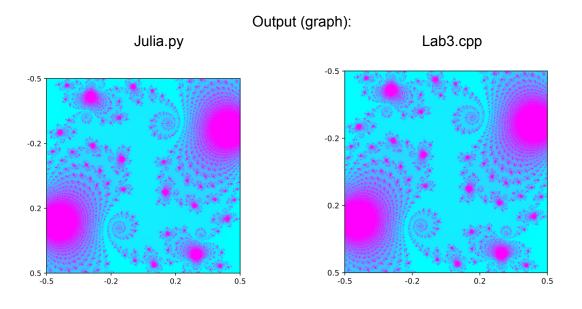
ISC 4303C Lab 7 By: Andres Candido

Runtimes:

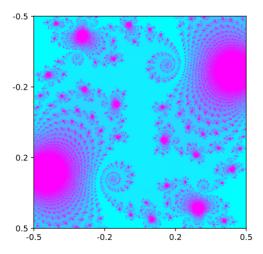
Python - julia.py = 2m 7s

C++ - Lab3.cpp = 1m 16s

Cython - julia2.py + juliapart.pyx = 0m 6s (ridiculously fast compared to the python and C++ versions)



julia2.py + juliapart.pyx



The combination of julia2.py and juliapart.pyx seems to be extremely fast. In terms of runtime, I expected it to be way faster than the pure python version of the program but not so different to the pure C++ version. I was very surprised with these results. Integrating the C language into python using Cython appears to make the program run extremely more efficiently when compared to the other two, more specifically it appears that the C language has a clear advantage in terms of speed, since all the "heavy-duty" functions of the Cython version (calz() and julialoop()) were translated into C code with juliapart.pyx.