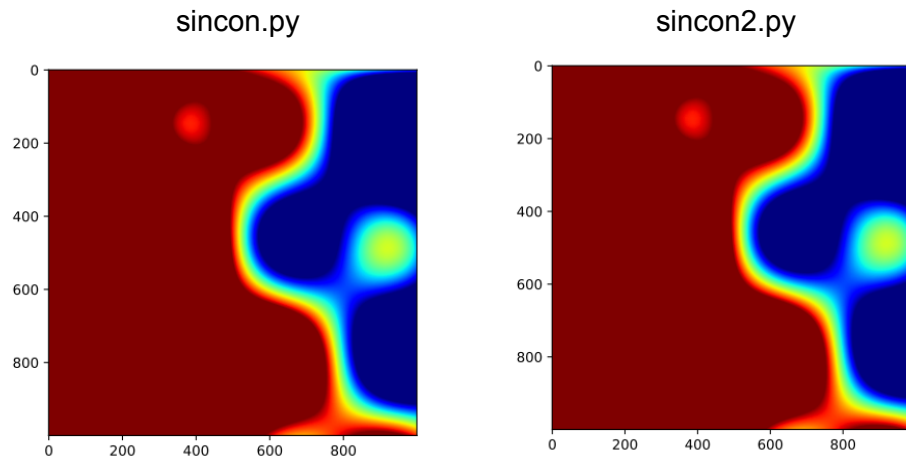ISC 4304C
Lab 8
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Runtimes:

Python - sincon.py = Time elapsed 5.721506118774414 (seconds)

Cython - sincon2.py + trig_functions.pyx = Time elapsed 4.49016261100769 (seconds)

Output (graph):

sincon.py   sincon2.py

Results Summary:
As we can see from the output graphs, both the pure python and the python-cython hybrid versions of the program produce the same results. However, we can see that the python-cython hybrid version of the program has a 1.23 second decrease in the time elapsed when compared to the pure python version. From this we can conclude that the use of C code (with Cython) has improved the performance of the program to some extent.