Uzochi Dimkpa Advection ITCS 5182-001 High Performance Computing Prof. Erik Saule August 28, 2023

- 1. The algorithm takes approximately $\boxed{0.0017916}$ seconds with an N=103 and dt=0.0009
- 2. The algorithm takes approximately $\boxed{0.206092}$ seconds with an N=1003 and dt=0.00009