Uzochi Dimkpa CUDA – Polynomial Expansion ITCS 5182-001 High Performance Computing Prof. Erik Saule October 26, 2023

2.

a. PCI–express latency: 1.1471×10^{-5} s

b. PCI–express bandwidth: $6.46044 \frac{GB}{s}$

c. GPU memory bandwidth: $180.34 \frac{GB}{s}$

i. Note: expected value: $192.0 \frac{GB}{s}$

d. GPU flops: $0.5 \frac{\text{TFlops}}{\text{s}}$