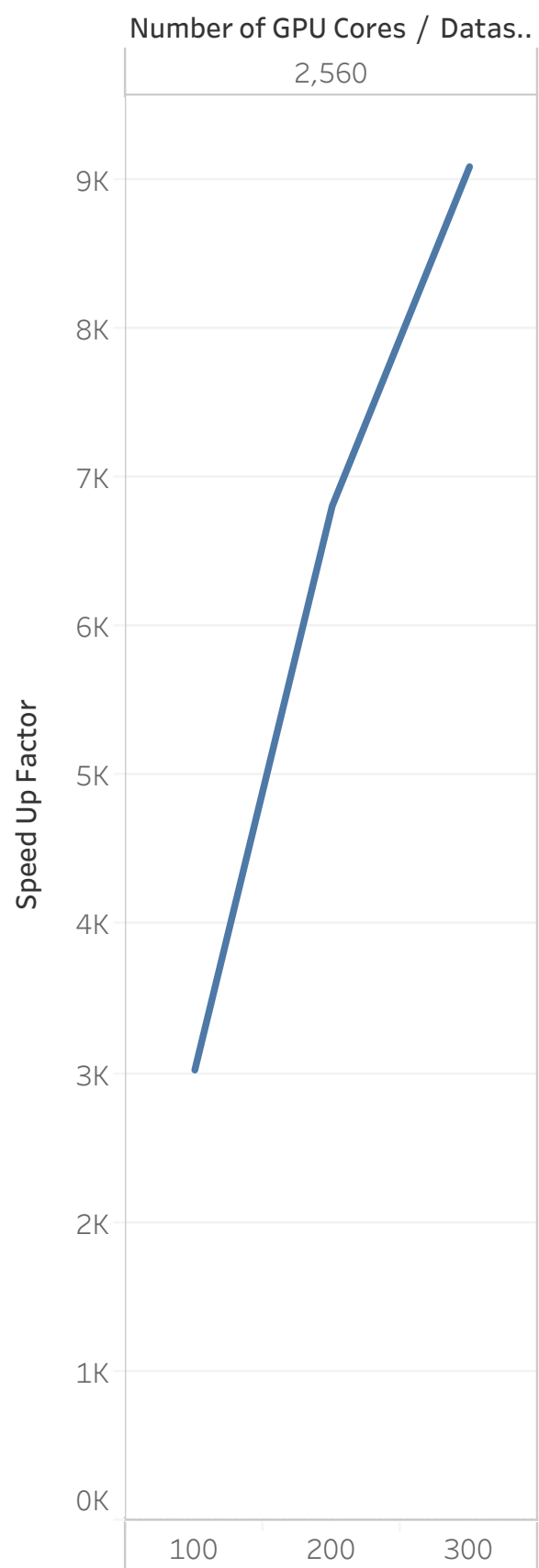# Cuda C Speed Up Factor
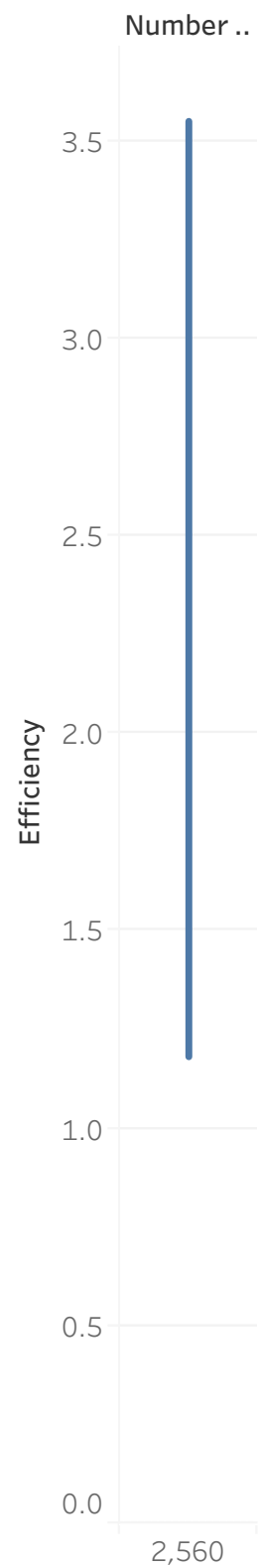

The trend of Speed Up Factor for Number of GPU Cores and Dataset Size.

Cuda C Ef-
feciency

Number ..

Efficiency

3.5

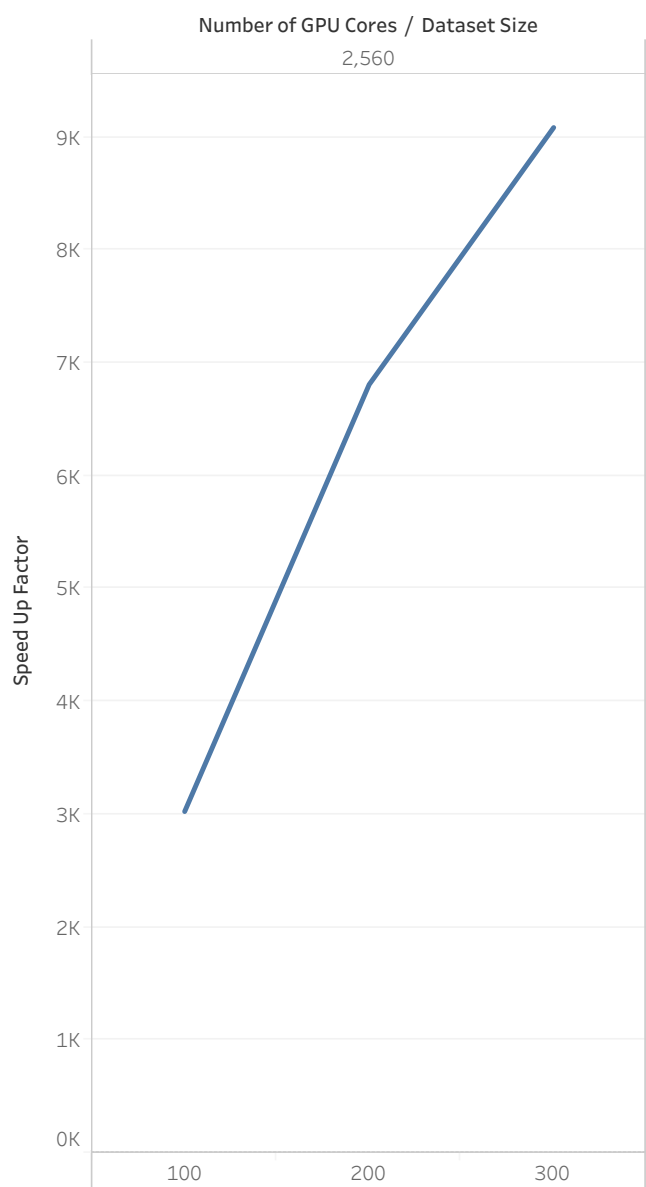3.0

2.5

2.0

1.5

1.0

0.5

0.0

2,560

The trend of
Efficiency for
Number of GPU
Cores.

Cuda C Total Execution Time

Number of GPU Cores / Datas..

2,560

Time in seconds

1.0e-05

9.0e-06

8.0e-06

7.0e-06

6.0e-06

5.0e-06

4.0e-06

3.0e-06

2.0e-06

1.0e-06

0.0e+00

100   200   300
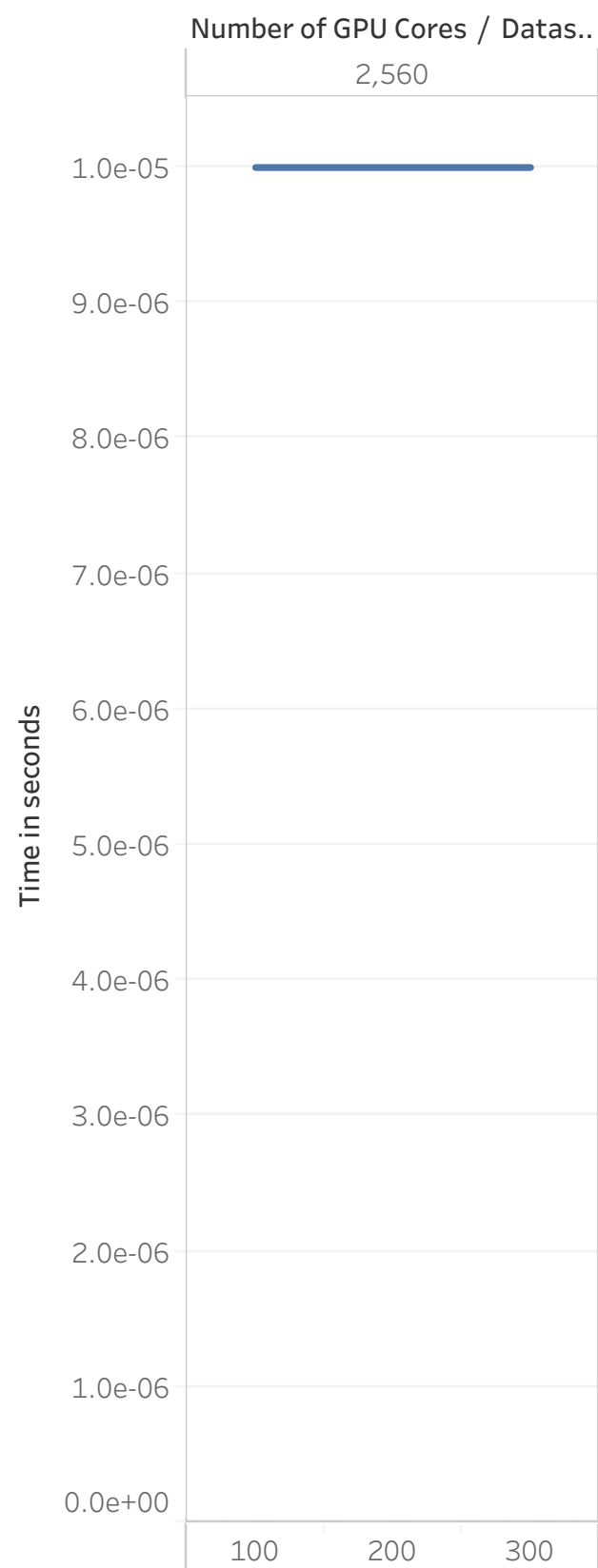
The trend of Time in seconds for Number of GPU Cores and Dataset Size.

Cuda C Speed Up Factor

Number of GPU Cores / Dataset Size
2,560

Cuda C Effeciency

Number of GPU Cores

Cuda C Total Execution Time

Number of GPU Cores / Dataset Size
2,560