

PHW 6 Report

Approach 1:

for each value of n:

- n = 1, time = 407.2 ms
- n = 2, time = 312.7 ms
- n = 4, time = 280.8 ms
- n = 16, time = 267.1 ms

C[451][451] = 208,282,624

Approach 2:

for each value of n:

- n = 1, time = 477.0 ms
- n = 2, time = 353.2 ms
- n = 4, time = 299.3 ms
- n = 16, time = 234.2 ms

C[451][451] = 208,282,624

Discussion

Both Approaches 1 and 2 yield similar results. As the number of streams nStreams increases, execution time decreases at a decaying rate.