Table 1:

|  |  |  |  |
| --- | --- | --- | --- |
| Matrix Sizes | (512,512)x(512,512) | (1024,1024)x(1024,1024) | (2048,2048)x(2048,2048) |
| CPU Time(ms) | 406 | 3375 | 52703 |
| Task 1:  GPU Time (ms) | 0.020416 | 0.074752 | 0.435968 |
| Speedup of Task1 over CPU | 19886 | 45149 | 120887 |
| Task 2:  GPU Time (ms) | 0.35260 | 2.76300 | 29.31926 |
| Speedup of Task2 over CPU | 1151 | 1221 | 1792 |