Student Name: Fong Ming To

Student ID:19220456

Table 1:

|  |  |  |  |
| --- | --- | --- | --- |
| Matrix Sizes  ) | (512,512)x(512,512) | (1024,1024)x(1024,1024) | (2048,2048)x(2048,2048) |
| CPU Time(ms | 734ms | 6859ms | 180750ms |
| Task 1:  GPU Time (ms) | 0.053984ms | 0.257952ms | 1.850656ms |
| Speedup of Task1 over CPU | 13596.6212211.ms | 26590.2183352ms | 97668.070133ms |
| Task 2:  GPU Time (ms) | 0.551552ms | 4.856544ms | 39.827904ms |
| Speedup of Task2 over CPU | 1330.79020654 | 1412.32118972ms | 4538.27547641 |