

The following table shows the average execution time of matrix multiplication. Two matrices of 2000x2000 with random float numbers between 1 and 10 (inclusive) were used. For CPU, only 5 trials were done. For GPU, the average time shows the results of 20 trials.

	Average execution time	Speedup vs CPU	Speedup vs GPU 2D2D
CPU	76367.335938 ms		
GPU 2D 2D	690.44030445 ms	110.6	
GPU 8x8 tiling	809.6785355 ms	94.32	0.85
GPU 16x16 tiling	423.20887457 ms	180.45	1.63
GPU 32x32 tiling	260.5572235 ms	293.09	2.65

```
A01021626@alien1-lab:~/a-3-tilled-matrix-multiplication-osanseviero$ ./test
Using Device 0: GeForce GTX 670
multiply_matrix_host elapsed 0.028036 ms
grid.x 1 grid.y 1 block.x 32 block.y 32
multiply_matrix_gpu elapsed 0.032603 ms
Matrix match.

multiply_matrix_gpu_tiling elapsed 0.023411 ms
Matrix match.
```