

课程：高性能计算应用实践

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OS 版本：10.0.22621 暂缺 Build 22621

gcc: 9.4.0 (Ubuntu 9.4.0-1ubuntu1~20.04.2)

CPU: 12th Gen Intel(R) Core(TM) i7-12700H, 2300 Mhz, 14 个内核

内存: 16G

```
186.282180wyo@PC:~/hpc$ cat timeDgemm.txt
16x16x16      0.000021 s      8192.000000 GFLOPS
64x64x64      0.000580 s      524288.000000 GFLOPS
256x256x256   0.065535 s      33554432.000000 GFLOPS
1024x1024x1024 7.426163 s      2147483648.000000 GFLOPS
2048x2048x2048 186.282180 s      17179869184.000000 GFLOPS
wyo@PC:~/hpc$
```

```
wyo@PC:~/hpc$ cat timeDGEMM.txt
16x16x16      0.000030 s      0.273067 GFLOPS
64x64x64      0.000128 s      4.096000 GFLOPS
256x256x256   0.007529 s      4.456692 GFLOPS
1024x1024x1024 0.051808 s      41.450812 GFLOPS
2048x2048x2048 0.361078 s      47.579385 GFLOPS
wyo@PC:~/hpc$
```

naive和openblas下矩阵乘法耗时对比

