

高性能计算应用实践实验报告 (lab7)

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```
root@suh:/mnt/c/hpc2024/lab7# mpicc mpi_gemm.c -o mpi_gemm
root@suh:/mnt/c/hpc2024/lab7# mpirun -n 4 ./mpi_gemm
Matrix size:4*4
Matrix C:
-0.648547 -0.697436 -0.288829 0.068507
0.243567 -0.874463 -0.161491 0.137133
0.513949 -1.185891 -0.457502 -0.341329
-0.286405 0.041273 -0.000526 1.859551
```

```
root@suh:/mnt/c/hpc2024/lab7# mpirun -n 4 ./mpi_gemm
Matrix size:8*8
Matrix C:
-0.702490 -0.617593 0.713859 0.063581 1.412361 0.949780 -0.119886 -0.109187
0.549547 -0.058283 0.202383 -1.409116 2.501541 2.480544 0.843544 -0.076647
0.033263 1.469986 -0.015986 -0.063686 1.211029 1.221015 1.691703 -1.250213
1.568243 1.036256 -0.396960 -0.030991 1.298360 -0.057406 1.148578 -0.982446
0.330351 1.561958 -1.425547 1.551175 -0.556509 -2.013690 0.127171 -0.734323
0.695605 1.009126 -0.174863 1.339494 -0.285766 -1.493150 1.240700 -0.552989
-1.375815 -0.853385 0.691218 -0.171014 0.881295 1.767113 0.460513 0.088403
0.272183 -0.031813 -1.034846 0.404774 -0.438942 -1.226528 -0.131978 -0.396006
```