

高性能计算实验报告

信息学部 2023311704 王昕远

实验七

1 运行截图

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C mpi_dgmm.c U  lab7 实验报告.pdf  C mpi_test_data.m U X
my_code > lab7 > C mpi_test_data.m
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15 C={
16 -6.485472e-01, -6.974358e-01, -2.888289e-01, 6.858602e-02,
17 2.435674e-01, -8.744635e-01, -1.616910e-01, 1.371329e-01,
18 5.139494e-01, -1.185891e+00, -4.575917e-01, -3.412287e-01,
19 -2.864046e-01, 4.127382e-02, -5.262187e-04, 1.859551e+00,
20 }
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25 C={
26 -7.024897e-01, -6.175928e-01, 7.138586e-01, 6.358145e-02, 1.412361e+00, 9.497799e-01, -1.198886e-01, -1.091874e-01,
27 5.495471e-01, -5.828128e-02, 2.023827e-01, -1.409117e+00, 2.501511e+00, 2.480544e+00, 8.438411e-01, -7.664723e-02,
28 3.226345e-02, 1.460986e+00, -1.598580e-01, -6.368559e-02, 1.211028e+00, 1.221015e+00, 1.691701e+00, -1.250213e+00,
29 1.568243e+00, 1.036256e+00, -1.369608e-01, -1.099133e-02, 1.298368e+00, -5.740635e-02, 1.148578e+00, -9.824463e-01,
30 3.303513e-01, 1.561958e+00, -1.425547e+00, 1.551175e+00, -5.565087e-01, -2.013608e+00, 1.271788e-01, -7.343229e-01,
31 6.956050e-01, 1.009126e+00, -1.748624e-01, 1.339494e+00, -2.857656e-01, -1.493150e+00, 1.240708e+00, -5.529886e-01,
32 -1.375815e+00, -8.533851e-01, 6.912177e-01, -1.718138e-01, 8.812948e-01, 1.767113e+00, 4.685116e-01, 8.848035e-02,
33 2.721833e-01, -3.181246e-02, -1.034846e+00, 4.047740e-01, -4.389420e-01, -1.226528e+00, -1.319781e-01, -3.960862e-01,
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终端 输出 输出控制台 终端 窗口 7
● wxy@wxy:/hpc/my_code/lab7$ mpicc -o mpi_dgmm mpi_dgmm.c
● wxy@wxy:/hpc/my_code/lab7$ mpirun -np 4 ./mpi_dgmm
Result matrix C:
-0.64847 -0.697436 -0.288829 0.068587
0.243567 -0.874463 -0.161491 0.137133
0.513949 -1.185891 -0.457582 -0.341329
-0.286405 0.041273 -0.000526 1.859551
● wxy@wxy:/hpc/my_code/lab7$ mpicc -o mpi_dgmm mpi_dgmm.c
● wxy@wxy:/hpc/my_code/lab7$ mpirun -np 8 ./mpi_dgmm
Result matrix C:
-0.702489 -0.617593 0.713859 0.063581 1.412361 0.949780 -0.119886 -0.109187
0.549547 -0.582813 0.202383 -1.409116 2.501511 2.480544 0.843841 -0.076647
0.032633 1.460986 -0.015986 -0.063686 1.211029 1.221015 1.691703 -1.250213
1.568243 1.036256 -0.369608 -0.030991 1.298368 -0.057406 1.148578 -0.982446
0.303513 1.561958 -1.425547 1.551175 -0.565089 -2.013608 0.127171 -0.734323
0.695605 1.009126 -0.174863 1.339494 -0.285766 -1.493150 1.240708 -0.552989
-1.375815 -0.853385 0.691218 -0.171814 0.881295 1.767113 0.468513 0.088403
0.272183 -0.031813 -1.034846 0.404774 -0.438942 -1.226528 -0.131978 -0.396086
● wxy@wxy:/hpc/my_code/lab7$ ]
```