高性能计算实验报告

信息学部 2023311704 王昕远 实验八

1 硬件配置

CPU型号: AMD Ryzen 7 7745HX with Radeon Graphics 物理核数: 8 频率: 3600MHz avx avx2 avx512

内存大小: Mem 7973212

2 理论峰值计算

	·/ a		. -	2.0746520002	DACCED
Ax-b _oo/(eps*	`(A _00* :======	X _00 [.]	+ b _00)*N)= =========	2.07165390e-02 . 	PASSED
T/V	N NB	Р	Q	Time	Gflops
WR00R2R2 HPL_pdgesv() star	35 4 rt time Fri	1 Sep 20 :	4 14:54:52 2024	0.00	6.3008e-01
HPL_pdgesv() end	time Fri	Sep 20 :	14:54:52 2024		
Ax-b _oo/(eps*	'(A _oo*	x _oo	+ b _oo)*N)= ========	1.65732312e-02 .	PASSED
T/V	N NB	Р	Q	Time	Gflops
WR00R2R4 HPL_pdgesv() star	35 4 rt time Fri	1 Sep 20	4 14:54:52 2024	0.00	8.9041e-01
HPL_pdgesv() end time					
Ax-b _oo/(eps*	·(A _oo* 	x _oo	+ b _oo)*N)= =======	1.65732312e-02 .	PASSED
Finished 864 tests with the following results: 864 tests completed and passed residual checks, 0 tests completed and failed residual checks, 0 tests skipped because of illegal input values.					
End of Tests.					

3 软件环境

操作系统版本: Ubantu 22.04.3 LTS MPI: version 4.0 BLAS: 0.3.20