

高性能应用计算实践 2024 秋 王一鸣 2023311510

Linux DESKTOP-PMS5CUE 5.15.153.1-microsoft-standard-WSL2 #1 SMP Fri Mar 29 23:14:13 UTC 2024 x86_64 x86_64 x86_64 GNU/Linux
Ubuntu 22.04.3 LTS
gcc version 11.4.0 (Ubuntu 11.4.0-1ubuntu1~22.04)
Intel(R) Core(TM) i7-10750H CPU @ 2.60GHz
Memory for Linux : 8GB

Lab3:

1、

由这行决定 OBJS := \$(BUILD_DIR)/util.o \$(BUILD_DIR)/REF_MMult.o
\$(BUILD_DIR)/test_MMult.o \$(BUILD_DIR)/\$(NEW).o

2、重定向

Lab5

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
69334	admin18	20	0	2821208	2.5g	1976	S	800.0	32.5	138:05.56	test_MMult.x
485	admin18	20	0	31.5g	394912	53580	R	3.7	4.9	3:02.45	node
1	root	20	0	165740	11292	8320	S	1.0	0.1	1:06.63	systemd

Lab6

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
135313	admin18	20	0	224332	165988	1852	R	800.0	2.1	0:43.38	test_MMult.x

	8	32	256	512	1024	4096	8192		
naïve	0.512	0.4615	0.6126	0.3048	0.4062	0.176	0.1744		
openblas	0.0006	8.192	7.1446	54.928	120.2	231.61	256.09		
pthread	0.0009	0.114	1.2895	1.4172	0.9686	0.2607	0.2288		
openmp	0.0027	1.9859	1.2348	1.3412	1.106	0.2557	0.2284		

