



CFP2000 Result

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Rackable Systems
C1000-L03-25W30 (Intel Xeon 5160)

SPECfp_rate2000 = 79.6
SPECfp_rate_base2000 = 79.6

SPEC license #: 64 Tested by: Rackable Systems Test date: Jul-2006 Hardware Avail: Aug-2006 Software Avail: Jun-2006

250 200 150 100 50					Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
					168.wupwise	4	67.4	110	4	67.4	110
					171.swim	4	267	54.0	4	267	54.0
					172.mgrid	4	173	48.2	4	173	48.2
					173.applu	4	189	51.6	4	189	51.6
					177.mesa	4	48.0	135	4	48.0	135
					178.galgel	4	60.9	221	4	60.9	221
					179.art	4	53.9	224	4	53.9	224
					183.equake	4	130	46.5	4	130	46.5
					187.facerec	4	86.3	102	4	86.3	102
					188.amp	4	117	87.5	4	117	87.5
					189.lucas	4	181	51.2	4	181	51.2
					191.fma3d	4	162	60.2	4	162	60.2
					200.sixtrack	4	97.9	52.1	4	97.9	52.1
					301.apsi	4	195	61.9	4	195	61.9

Hardware

CPU: Intel(R) Xeon(R) CPU 5160 @ 3.0GHz
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
CPU(s) orderable: 1,2 chip(s)
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 4096KB(I+D) on chip, per chip, shared
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 1024MB ECC FB-DIMM DDR2-667MHz
Disk Subsystem: 1 x 250GB SATA HDD
Other Hardware: --

Software

Operating System: Red Hat Enterprise Linux 4 ES Update 2 EM64T
Compiler: Intel C++ 9.1.038 and Fortran Compiler 9.1.032 for EM64T
File System: ext3
System State: Runlevel 3

Notes/Tuning Information

-DSPEC_CPU2000_LP64 applied to all benchmarks
186.crafty: -DLINUX_i386
252.eon: -DHAS_ERRLIST
253.perlbnk: -DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_GLIBC22
254.gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO
-DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO
178.galgel: -FI for fixed-format Fortran
Portability for integer benchmarks
Optimization flags
ONESTEP=yes for all benchmarks
+FDO implies feedback-directed optimization PAS1: -prof_gen PAS2: -prof_use
Baseline optimizations for C: -fast -auto_ilp32 +FDO
Baseline optimizations for C++: -fast -auto_ilp32 +FDO
basepeak=yes set for all benchmarks
Portability for fp benchmarks
Optimization flags
ONESTEP=yes for all benchmarks



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Notes/Tuning Information (Continued)

+FDO implies feedback-directed optimization PASS1: -prof_gen PAS2: -prof_use
Baseline optimizations for C and Fortran: -fast +FDO
basepeak=yes set for all benchmarks
Taskset utility used to bind process to CPU(s)