CFP2000 Result

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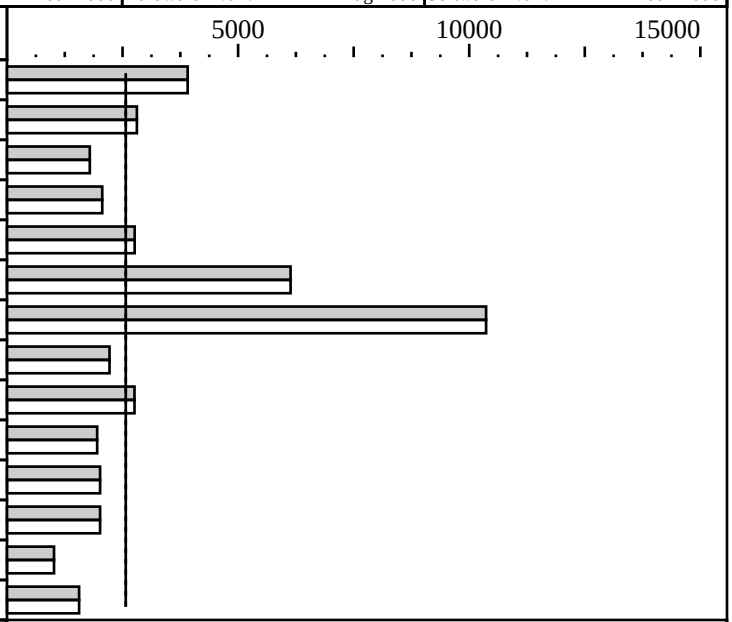
Rackable Systems
C1000-L03-25W26 (Intel Xeon 5150)

SPECfp2000 = 2570

SPECfp_base2000 = 2570

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	40.9	3909	40.9	3909
171.swim	3100	110	2810	110	2810
172.mgrid	1800	101	1791	101	1791
173.applu	2100	102	2061	102	2061
177.mesa	1400	50.7	2762	50.7	2762
178.galgel	2900	47.3	6135	47.3	6135
179.art	2600	25.1	10365	25.1	10365
183.equake	1300	58.6	2218	58.6	2218
187.facerec	1900	68.9	2759	68.9	2759
188.ammp	2200	113	1951	113	1951
189.lucas	2000	99.3	2014	99.3	2014
191.fma3d	2100	104	2014	104	2014
200.sixtrack	1100	108	1017	108	1017
301.apsi	2600	167	1560	167	1560



Hardware

CPU:	Intel(R) Xeon(R) CPU 5150 @ 2.66GHz
CPU MHz:	2660
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.perlbmk: -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 PASS1: -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)