CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

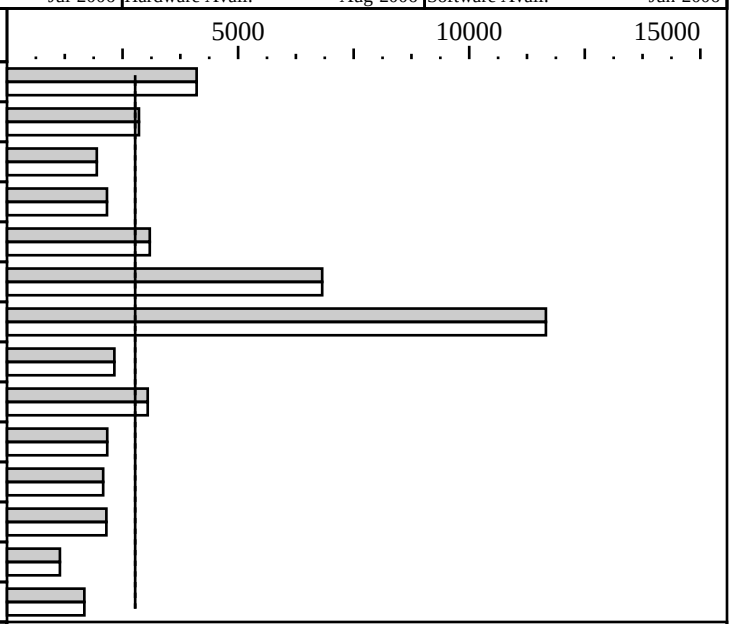
Rackable Systems
C1000-L03-25W30 (Intel Xeon 5160)

SPECfp2000 = 2773

SPECfp_base2000 = 2773

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	39.0	4103	39.0	4103
171.swim	3100	109	2855	109	2855
172.mgrid	1800	92.6	1943	92.6	1943
173.applu	2100	97.1	2163	97.1	2163
177.mesa	1400	45.3	3089	45.3	3089
178.galgel	2900	42.5	6819	42.5	6819
179.art	2600	22.3	11659	22.3	11659
183.equake	1300	56.0	2323	56.0	2323
187.facerec	1900	62.4	3044	62.4	3044
188.ammp	2200	101	2169	101	2169
189.lucas	2000	96.1	2081	96.1	2081
191.fma3d	2100	97.7	2150	97.7	2150
200.sixtrack	1100	96.1	1145	96.1	1145
301.apsi	2600	155	1674	155	1674



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.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
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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)