CFP2000 Result

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Hewlett-Packard Company

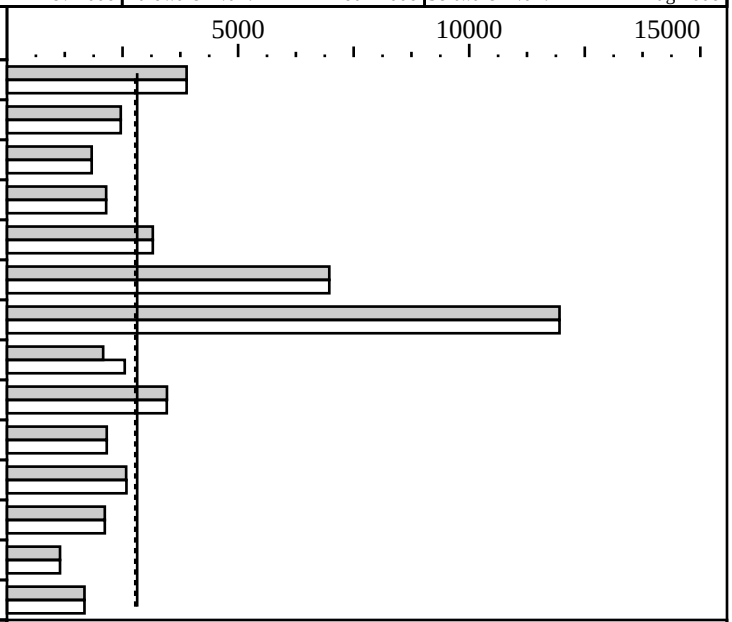
ProLiant DL140 G3 (3.0 GHz, Intel Xeon processor 5160)

SPECfp2000 = 2816

SPECfp_base2000 = 2776

SPEC license #: 3 | Tested by: QLogic Corporation | Test date: Nov-2006 | Hardware Avail: Jun-2006 | Software Avail: Aug-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	41.2	3886	41.2	3886
171.swim	3100	126	2461	126	2461
172.mgrid	1800	98.2	1832	98.2	1832
173.applu	2100	97.9	2145	97.9	2145
177.mesa	1400	44.4	3154	44.4	3154
178.galgel	2900	41.6	6973	41.6	6973
179.art	2600	21.8	11954	21.8	11954
183.equake	1300	62.5	2081	51.0	2547
187.facerec	1900	54.9	3461	55.0	3457
188.ammp	2200	102	2158	102	2158
189.lucas	2000	77.6	2578	77.4	2584
191.fma3d	2100	99.2	2116	99.2	2116
200.sixtrack	1100	95.9	1147	95.9	1147
301.apsi	2600	155	1676	155	1676



Hardware

CPU:	Intel Xeon processor 5160 (1333 MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32KBI + 32KBD on chip, per core
Secondary Cache:	4MB (I+D) on chip, per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 GB (4 x 1 GB PC2-5300F)
Disk Subsystem:	SATA, 60 GB
Other Hardware:	None

Software

Operating System:	SUSE Linux Enterprise Server 10 (x86_64)
Compiler:	Intel C++ Compiler for EM64T-based applications, (Version 9.1 Build 20060818) Intel Fortran Compiler for EM64T-based applications, (Version 9.1 Build 20060818)
File System:	ext2
System State:	Multi-user, run level 3

Notes/Tuning Information

```
+FDO: PASS1=  -prof_gen  PASS2=-prof_use
Base tuning for C programs:  -fast -auto_ilp32 +FDO
Base tuning for FORTRAN programs:  -fast +FDO
Portability:
-DSPEC_CPU2000_LP64 applied to all benchmarks
178.galgel:   -FI
Peak tuning:
168.wupwise:  basepeak=1
171.swim:     -fast +FDO ONESTEP=yes
172.mgrid:    basepeak=1
173.applu:    basepeak=1
177.mesa:     basepeak=1
178.galgel:   basepeak=1
179.art:      basepeak=1
183.equake:   -fast +FDO  ONESTEP=yes -rcd -auto-ilp32
187.facerec:  -fast +FDO  ONESTEP=yes -unroll -scalar-rep
188.ammp:     basepeak=1
```

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Notes/Tuning Information (Continued)

```
189.lucas:    -fast   ONESTEP=yes
191.fma3d:    basepeak=1
200.sixtrack: basepeak=1
301.apsi:     basepeak=1
Taskset utility used to bind process to CPU(s)
```