CFP2000 Result

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Hewlett-Packard Company

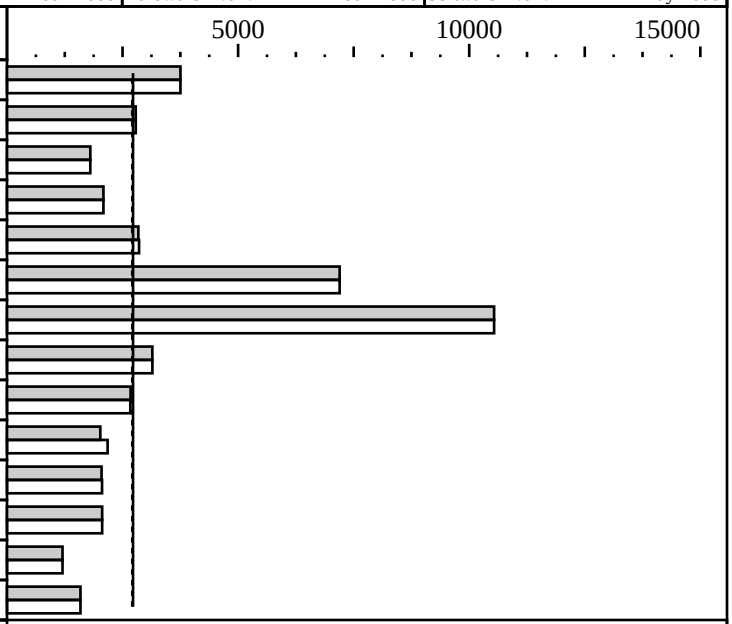
ProLiant BL20P G4 (3.0GHz, Intel Xeon processor 5160)

SPECfp2000 = 2727

SPECfp_base2000 = 2711

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jun-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	42.6	3752	42.6	3752
171.swim	3100	111	2785	111	2785
172.mgrid	1800	99.9	1803	99.9	1803
173.applu	2100	101	2086	101	2086
177.mesa	1400	49.3	2842	49.0	2857
178.galgel	2900	40.3	7197	40.3	7197
179.art	2600	24.7	10538	24.7	10538
183.equake	1300	41.3	3144	41.3	3146
187.facerec	1900	71.1	2674	71.2	2668
188.ammp	2200	109	2019	101	2177
189.lucas	2000	97.8	2046	97.3	2056
191.fma3d	2100	102	2059	102	2059
200.sixtrack	1100	91.6	1201	91.6	1201
301.apsi	2600	164	1589	164	1589



Hardware

CPU:	Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32KBI + 32KBD (on chip) per core
Secondary Cache:	4096KB(I+D) (on chip) shared
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x1024MB PC2-5300F
Disk Subsystem:	1x36GB 10K SAS
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z) Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z) Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs:       -fast              +FDO shlw32M.lib
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:  -fast -Qansi_alias                 +FDO
  171.swim:     -fast                              +FDO ONESTEP=yes
  172.mgrid:    -fast -Qansi_alias                 +FDO
  173.applu:    basepeak=1
  177.mesa:     -fast                              +FDO ONESTEP=yes
  178.galgel:   basepeak=1
  179.art:      basepeak=1
  183.equake:   -fast -Oa -Qrcd                    +FDO ONESTEP=yes shlw32M.lib
  187.facerec:  -fast -Qunroll1 -Qscalar_rep-       +FDO ONESTEP=yes
  188.ammp:     -fast -Qansi_alias                 +FDO
  189.lucas:    -fast
```

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Notes/Tuning Information (Continued)

```
  191.fma3d:    basepeak=1
  200.sixtrack: -fast                                +FDO
  301.apsi:     basepeak=1
BIOS Configuration Notes
    Power Regulator set to Static High Performance Mode
```