CFP2000 Result

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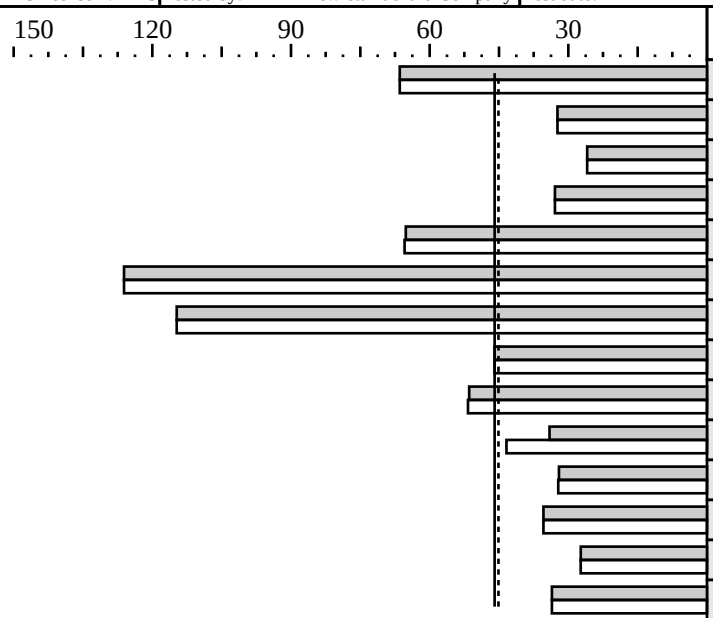
Hewlett-Packard Company

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

SPECfp_rate2000 = 45.9

SPECfp_rate_base2000 = 45.1

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	55.8	66.5	2	55.8	66.5
171.swim	2	222	32.4	2	222	32.4
172.mgrid	2	161	25.9	2	161	25.9
173.applu	2	148	32.9	2	148	32.9
177.mesa	2	49.8	65.2	2	49.6	65.4
178.galgel	2	53.3	126	2	53.3	126
179.art	2	52.6	115	2	52.6	115
183.equake	2	65.6	46.0	2	65.6	45.9
187.facerec	2	85.7	51.5	2	85.3	51.7
188.ammp	2	150	34.1	2	118	43.4
189.lucas	2	145	32.0	2	144	32.2
191.fma3d	2	138	35.4	2	138	35.4
200.sixtrack	2	93.5	27.3	2	93.4	27.3
301.apsi	2	180	33.6	2	180	33.6

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
```