CFP2000 Result

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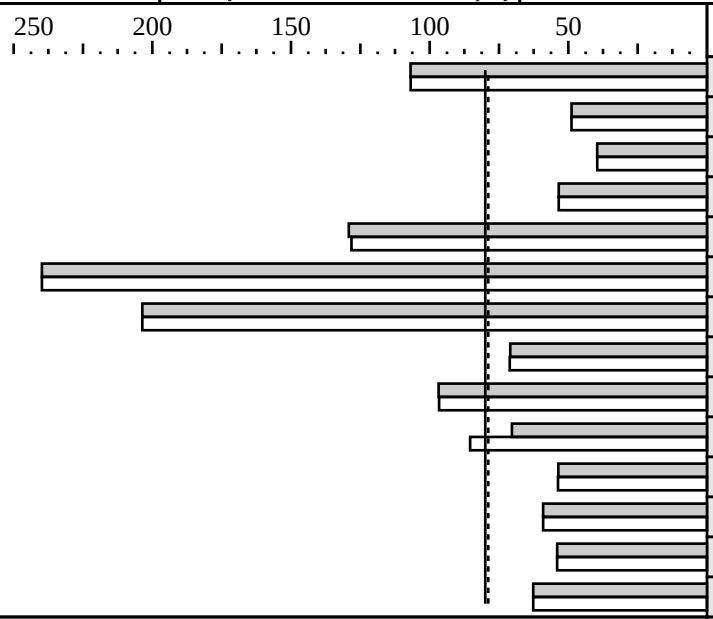
Hewlett-Packard Company

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

SPECfp_rate2000 = 80.0

SPECfp_rate_base2000 = 78.9

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	4	69.5	107	4	69.5	107
171.swim	4	295	48.8	4	294	48.9
172.mgrid	4	211	39.6	4	211	39.6
173.applu	4	182	53.5	4	182	53.5
177.mesa	4	50.3	129	4	50.7	128
178.galgel	4	56.1	240	4	56.1	240
179.art	4	59.3	204	4	59.3	204
183.equake	4	85.0	70.9	4	84.8	71.1
187.facerec	4	91.1	96.8	4	91.3	96.6
188.ammp	4	145	70.3	4	120	85.4
189.lucas	4	173	53.6	4	173	53.7
191.fma3d	4	165	59.1	4	165	59.1
200.sixtrack	4	94.5	54.0	4	94.5	54.0
301.apsi	4	193	62.7	4	193	62.7

Hardware

CPU:	Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz 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:	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
```