CFP2000 Result

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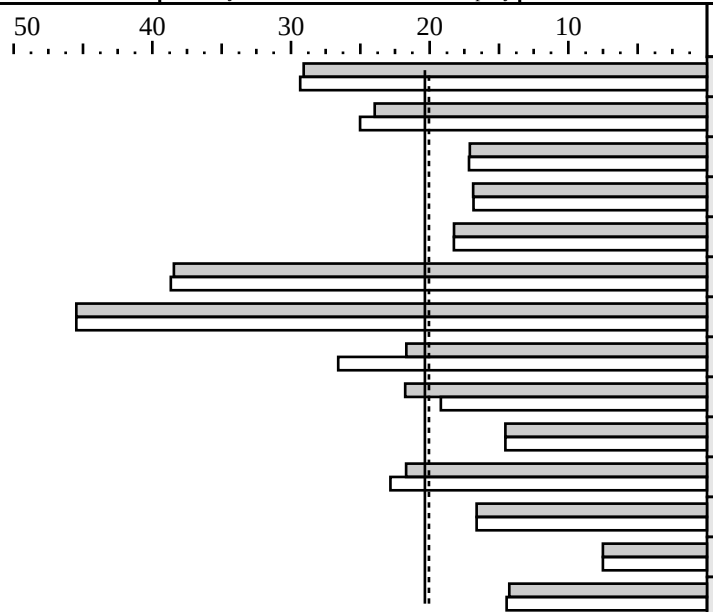
Hewlett-Packard Company
ProLiant DL380 G4 (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 20.3

SPECfp_rate_base2000 = 20.1

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Feb-2005 | Hardware Avail: Mar-2005 | Software Avail: Feb-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	63.8	29.1	1	63.3	29.3
171.swim	1	150	24.0	1	144	25.0
172.mgrid	1	122	17.1	1	122	17.2
173.applu	1	144	16.9	1	145	16.8
177.mesa	1	89.0	18.2	1	89.0	18.3
178.galgel	1	87.5	38.4	1	87.0	38.7
179.art	1	66.3	45.5	1	66.3	45.5
183.equake	1	69.5	21.7	1	56.7	26.6
187.facerec	1	101	21.8	1	115	19.2
188.ammp	1	176	14.5	1	176	14.5
189.lucas	1	107	21.7	1	102	22.8
191.fma3d	1	147	16.6	1	147	16.6
200.sixtrack	1	170	7.51	1	170	7.51
301.apsi	1	212	14.3	1	209	14.5

Hardware

CPU:	Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x1024MB PC2-3200
Disk Subsystem:	1x18.2GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z Intel Fortran Compiler 8.1 build 20040802Z 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:       -fast -Qansi_alias +FDO
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:          -fast -Qansi_alias                  +FDO
  171.swim:             -fast                      -f77rtl +FDO ONESTEP=yes
  172.mgrid:            -fast -Qansi_alias                  +FDO
  173.applu:            -fast -Qscalar_rep- -Qauto -f77rtl +FDO ONESTEP=yes
  177.mesa:             -fast                               +FDO ONESTEP=yes
  178.galgel:           -fast                               +FDO ONESTEP=yes
  179.art:        basepeak=1
  183.equake:          -fast -Oa -Qrcd                   +FDO ONESTEP=yes shlw32M.lib
  187.facerec:          -fast -Qunroll1 -Qscalar_rep- -fpp +FDO ONESTEP=yes
  188.ammp:       basepeak=1
```

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Notes/Tuning Information (Continued)

```
    189.lucas:            -fast
    191.fma3d:       basepeak=1
    200.sixtrack:         -fast                                  +FDO
    301.apsi:             -fast                       -f77rtl +FDO ONESTEP=yes
  BIOS Configuration Notes
    Hyper-Threading Technology disabled
```