CFP2000 Result

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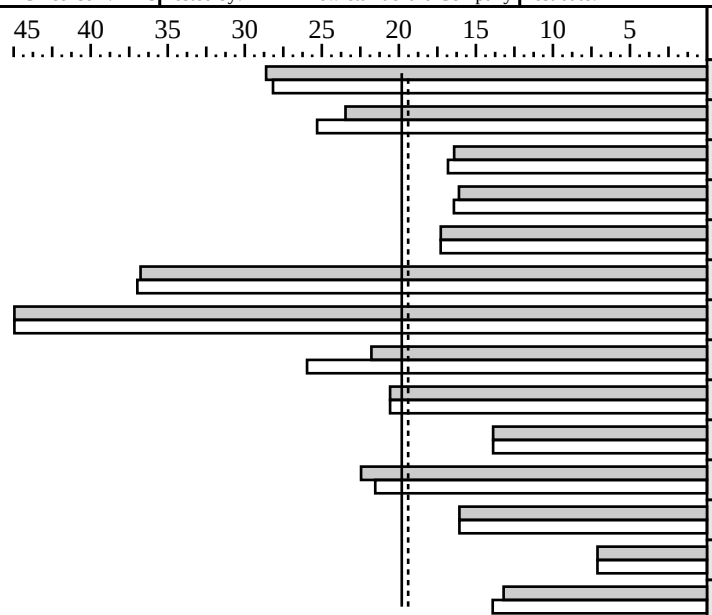
Hewlett-Packard Company

ProLiant ML350 G4p (3.4GHz, Intel Xeon)

SPECfp_rate2000 = 19.8

SPECfp_rate_base2000 = 19.4

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Mar-2005 | Hardware Avail: Mar-2005 | Software Avail: Nov-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	64.9	28.6	1	65.9	28.2
171.swim	1	153	23.5	1	142	25.3
172.mgrid	1	127	16.4	1	124	16.8
173.applu	1	151	16.1	1	148	16.4
177.mesa	1	94.0	17.3	1	94.0	17.3
178.galgel	1	91.5	36.8	1	91.0	37.0
179.art	1	67.1	45.0	1	67.1	45.0
183.equake	1	69.2	21.8	1	58.1	26.0
187.facerec	1	107	20.6	1	107	20.6
188.ammp	1	184	13.9	1	184	13.9
189.lucas	1	103	22.5	1	108	21.5
191.fma3d	1	152	16.1	1	152	16.1
200.sixtrack	1	180	7.11	1	179	7.11
301.apsi	1	228	13.2	1	217	13.9

Hardware

CPU:	Intel Xeon (3.4GHz, 2MB L2, 800MHz bus)
CPU MHz:	3400
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:	6x2048MB PC2-3200 CL3 Dual-Rank DIMMs
Disk Subsystem:	1x18.2GB 15K U320
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 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:    basepeak=1
  188.ammp:       basepeak=1
  189.lucas:      -fast
```

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Notes/Tuning Information (Continued)

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