CFP2000 Result

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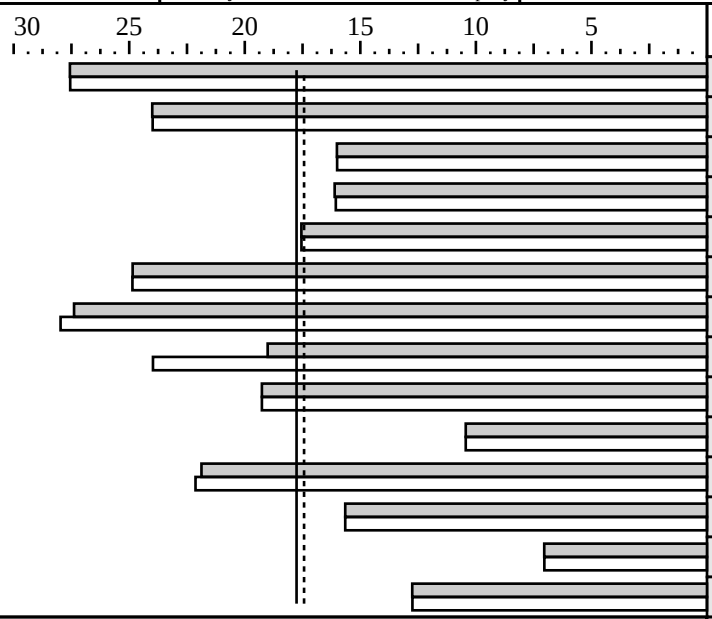
Hewlett-Packard Company
ProLiant ML350 G4 (3.4GHz, Intel Xeon)

SPECfp_rate2000 = 17.8

SPECfp_rate_base2000 = 17.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	67.3	27.6	1	67.4	27.6
171.swim	1	150	24.0	1	150	24.0
172.mgrid	1	130	16.0	1	130	16.0
173.applu	1	151	16.1	1	152	16.1
177.mesa	1	92.5	17.6	1	92.5	17.5
178.galgel	1	135	24.9	1	135	24.9
179.art	1	110	27.4	1	108	28.0
183.equake	1	79.3	19.0	1	62.9	24.0
187.facerec	1	114	19.3	1	114	19.3
188.ammp	1	244	10.4	1	244	10.4
189.lucas	1	106	21.9	1	105	22.1
191.fma3d	1	156	15.7	1	156	15.7
200.sixtrack	1	181	7.04	1	181	7.04
301.apsi	1	236	12.8	1	237	12.7

Hardware

CPU:	Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB PC2700 CL2.5
Disk Subsystem:	1x72.8GB 10K 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:        -fast -Oa -Qunroll4 -Zp4                  ONESTEP=yes
  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
    HT Technology disabled
```