CFP2000 Result

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Hewlett-Packard Company

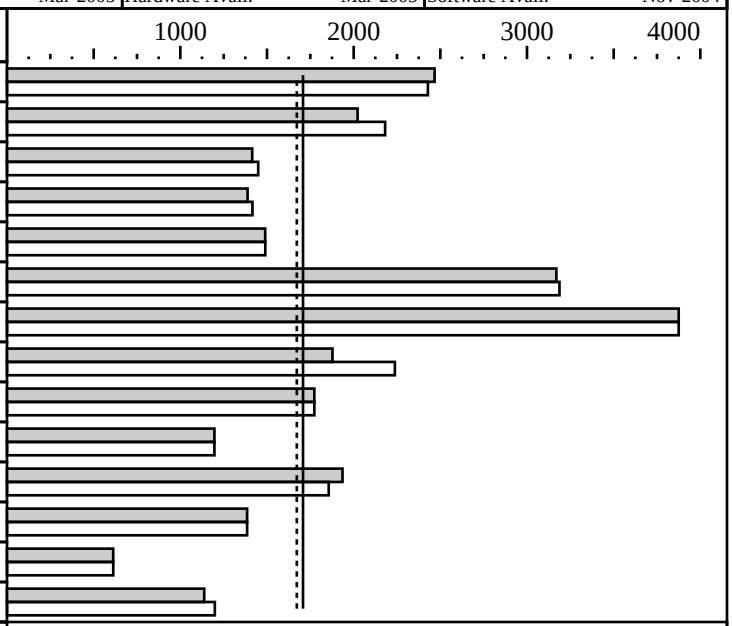
ProLiant ML350 G4p (3.4GHz, Intel Xeon)

SPECfp2000 = 1708

SPECfp_base2000 = 1672

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	64.9	2467	65.9	2428
171.swim	3100	153	2023	142	2181
172.mgrid	1800	127	1415	124	1449
173.applu	2100	151	1388	148	1416
177.mesa	1400	94.0	1490	94.0	1490
178.galgel	2900	91.5	3169	91.0	3187
179.art	2600	67.1	3875	67.1	3875
183.equake	1300	69.2	1878	58.1	2238
187.facerec	1900	107	1773	107	1773
188.ammp	2200	184	1197	184	1197
189.lucas	2000	103	1936	108	1856
191.fma3d	2100	152	1385	152	1385
200.sixtrack	1100	180	613	179	613
301.apsi	2600	228	1138	217	1199



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
```