CFP2000 Result

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Hewlett-Packard Company

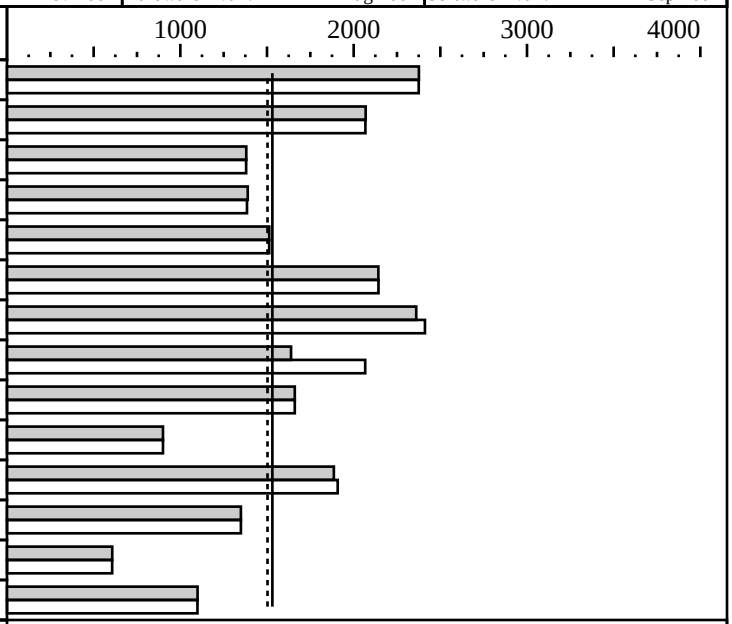
ProLiant ML350 G4 (3.4GHz, Intel Xeon)

SPECfp2000 = 1531

SPECfp_base2000 = 1503

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	67.3	2376	67.4	2375
171.swim	3100	150	2069	150	2068
172.mgrid	1800	130	1380	130	1380
173.applu	2100	151	1389	152	1385
177.mesa	1400	92.5	1513	92.5	1513
178.galgel	2900	135	2142	135	2143
179.art	2600	110	2361	108	2411
183.equake	1300	79.3	1639	62.9	2067
187.facerec	1900	114	1660	114	1660
188.ammp	2200	244	900	244	900
189.lucas	2000	106	1886	105	1908
191.fma3d	2100	156	1349	156	1349
200.sixtrack	1100	181	607	181	607
301.apsi	2600	236	1099	237	1099



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
```