CFP2000 Result

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Hewlett-Packard Company

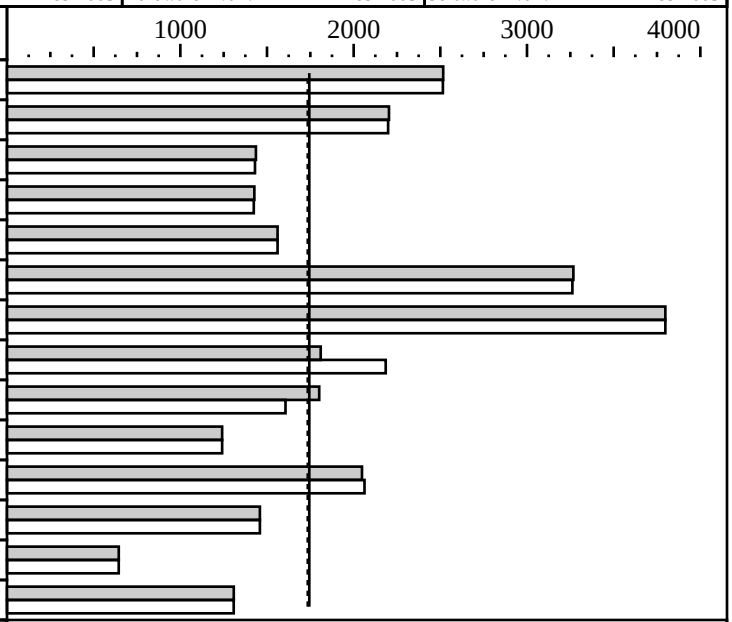
ProLiant ML370 G4 (3.6GHz, Intel Xeon)

SPECfp2000 = 1744

SPECfp_base2000 = 1735

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	63.6	2517	63.6	2515
171.swim	3100	141	2204	141	2199
172.mgrid	1800	125	1436	126	1431
173.applu	2100	147	1427	148	1424
177.mesa	1400	89.7	1561	89.7	1561
178.galgel	2900	88.8	3268	88.9	3262
179.art	2600	68.5	3798	68.5	3798
183.equake	1300	71.8	1810	59.5	2185
187.facerec	1900	105	1801	118	1607
188.ammp	2200	177	1241	177	1241
189.lucas	2000	97.7	2048	97.0	2063
191.fma3d	2100	144	1459	144	1459
200.sixtrack	1100	171	645	171	645
301.apsi	2600	199	1308	199	1308



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:	8x512MB DDR2-400
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
```