CFP2000 Result

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Hewlett-Packard Company

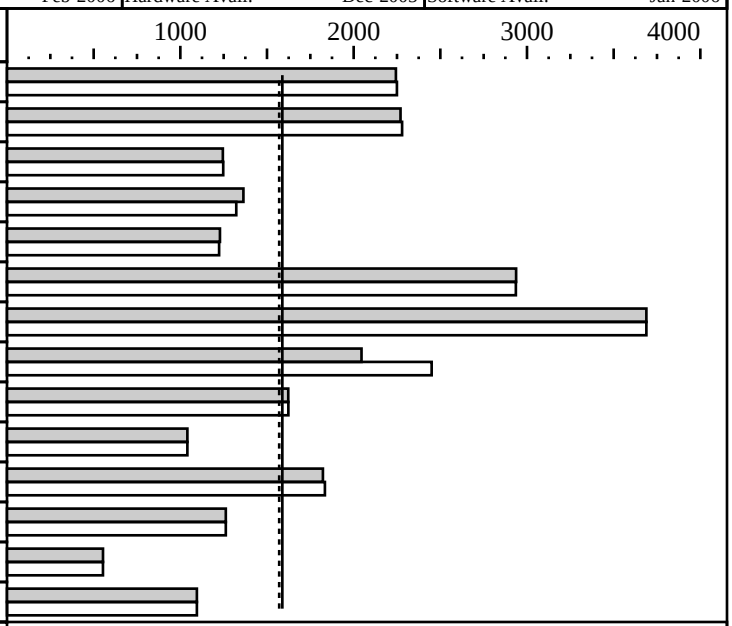
ProLiant ML370 G4 (2.8GHz, Dual-Core Intel Xeon)

SPECfp2000 = 1589

SPECfp_base2000 = 1570

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Feb-2006 | Hardware Avail: Dec-2005 | Software Avail: Jan-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	71.3	2244	71.1	2250
171.swim	3100	137	2270	136	2279
172.mgrid	1800	145	1245	144	1247
173.applu	2100	154	1364	159	1323
177.mesa	1400	114	1229	114	1224
178.galgel	2900	98.7	2937	98.8	2936
179.art	2600	70.5	3689	70.5	3689
183.equake	1300	63.6	2045	53.1	2450
187.facerec	1900	117	1623	117	1623
188.ammp	2200	211	1041	211	1041
189.lucas	2000	110	1823	109	1834
191.fma3d	2100	166	1262	166	1262
200.sixtrack	1100	199	554	199	554
301.apsi	2600	237	1095	237	1095



Hardware

CPU:	Dual-Core Intel Xeon (2.8GHz, 2x2MB L2, 800MHz bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x512MB PC2-3200
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20060120Z) Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20060120Z) 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-          +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:             basepeak=1
BIOS Configuration Notes
  Hyper-Threading Technology disabled
Other Configuration Notes
  /NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```