CFP2000 Result

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Hewlett-Packard Company

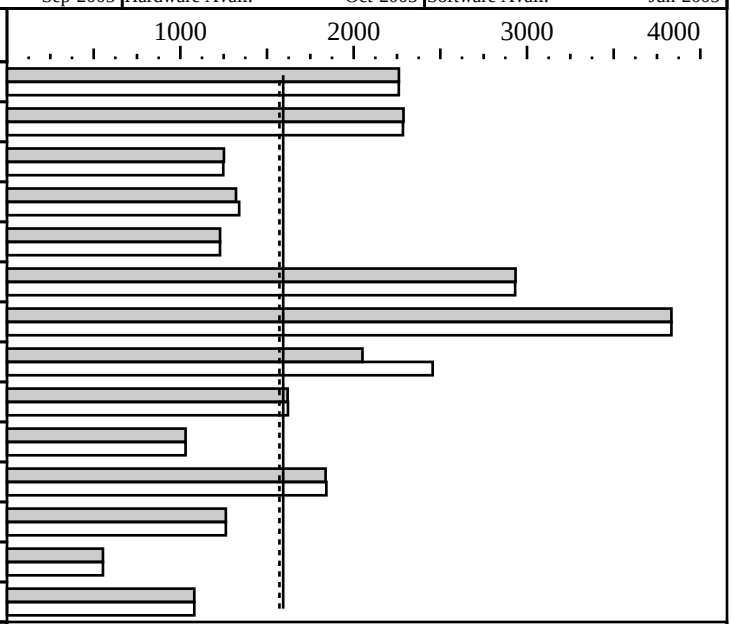
ProLiant DL380 G4 (2.8GHz, Intel dual-core Xeon)

SPECfp2000 = 1593

SPECfp_base2000 = 1572

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	70.8	2261	70.8	2260
171.swim	3100	136	2288	136	2284
172.mgrid	1800	144	1252	144	1248
173.applu	2100	159	1321	157	1339
177.mesa	1400	114	1229	114	1229
178.galgel	2900	98.8	2934	98.9	2932
179.art	2600	67.8	3833	67.8	3833
183.equake	1300	63.4	2051	52.9	2456
187.facerec	1900	117	1619	117	1621
188.ammp	2200	214	1030	214	1030
189.lucas	2000	109	1838	109	1843
191.fma3d	2100	166	1263	166	1263
200.sixtrack	1100	199	554	199	554
301.apsi	2600	241	1081	241	1081



Hardware

CPU:	Intel dual-core 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:	4x2048MB PC2-3200
Disk Subsystem:	1x72.8GB 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 20050624Z) Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20050624Z) 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:             basepeak=1
BIOS Configuration Notes
  Hyper-Threading Technology disabled
Other Configuration Notes
  /NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```