CFP2000 Result

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Hewlett-Packard Company

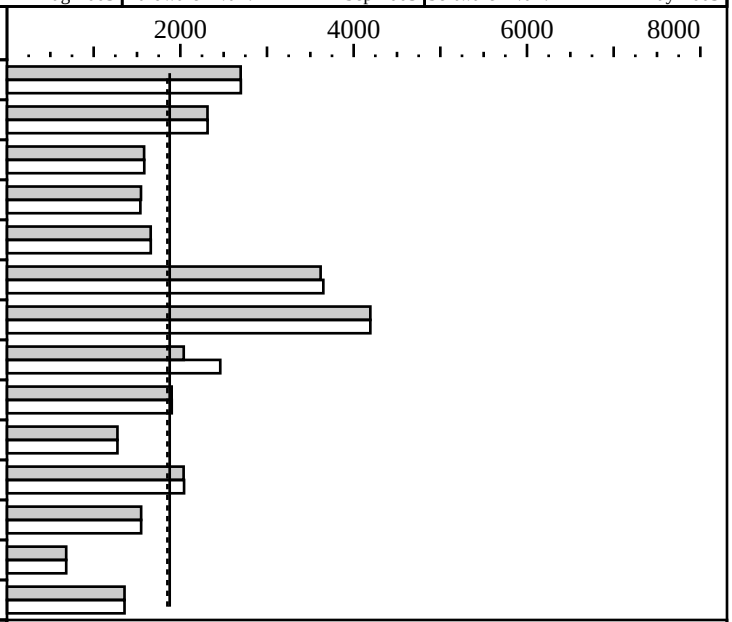
ProLiant ML370 G4 (3.8GHz, Intel Xeon)

SPECfp2000 = 1877

SPECfp_base2000 = 1851

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	59.3	2696	59.3	2698
171.swim	3100	134	2313	134	2315
172.mgrid	1800	114	1582	114	1584
173.applu	2100	136	1546	136	1539
177.mesa	1400	84.4	1658	84.4	1659
178.galgel	2900	80.1	3619	79.5	3650
179.art	2600	62.0	4192	62.0	4192
183.equake	1300	63.8	2039	52.8	2461
187.facerec	1900	100	1900	100.0	1901
188.ammp	2200	173	1274	173	1274
189.lucas	2000	98.1	2038	97.9	2043
191.fma3d	2100	136	1548	136	1548
200.sixtrack	1100	161	683	161	683
301.apsi	2600	192	1356	192	1356



Hardware

CPU:	Intel Xeon (3.8GHz, 2MB L2, 800MHz bus)
CPU MHz:	3800
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:	8x1024MB 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 8.1 Build 20050524Z) Intel Fortran Compiler for 32-bit applications, (Version 8.1 Build 20050517Z) 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
```