CFP2000 Result

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Hewlett-Packard Company

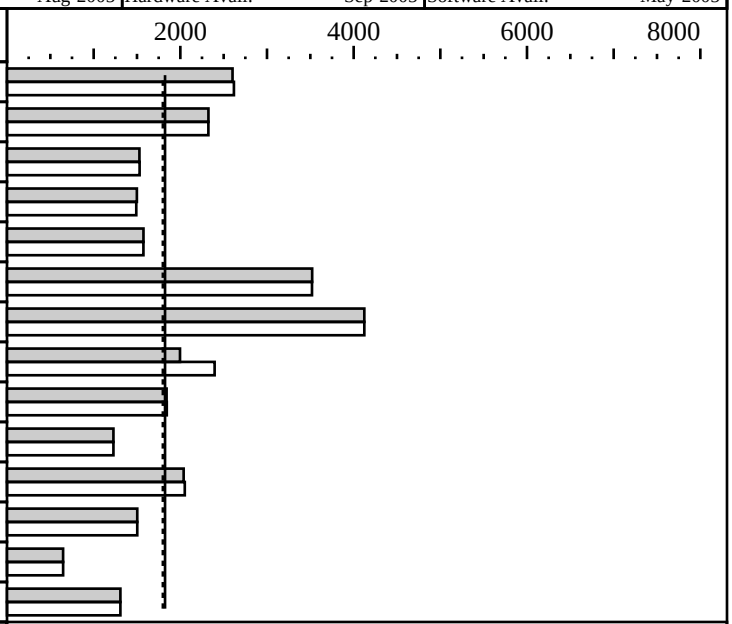
ProLiant ML350 G4p (3.6GHz, Intel Xeon)

SPECfp2000 = 1823

SPECfp_base2000 = 1799

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	61.5	2602	61.1	2618
171.swim	3100	133	2324	133	2324
172.mgrid	1800	118	1528	118	1530
173.applu	2100	140	1499	141	1492
177.mesa	1400	88.9	1575	88.9	1574
178.galgel	2900	82.4	3521	82.4	3519
179.art	2600	63.1	4123	63.1	4123
183.equake	1300	65.1	1996	54.3	2396
187.facerec	1900	103	1841	103	1844
188.ammp	2200	179	1228	179	1228
189.lucas	2000	98.1	2038	97.5	2051
191.fma3d	2100	140	1503	140	1503
200.sixtrack	1100	170	647	170	648
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:	4x2048MB PC2-3200
Disk Subsystem:	1x80.0GB 7.2k Serial ATA
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition 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
```