CFP2000 Result

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Hewlett-Packard Company

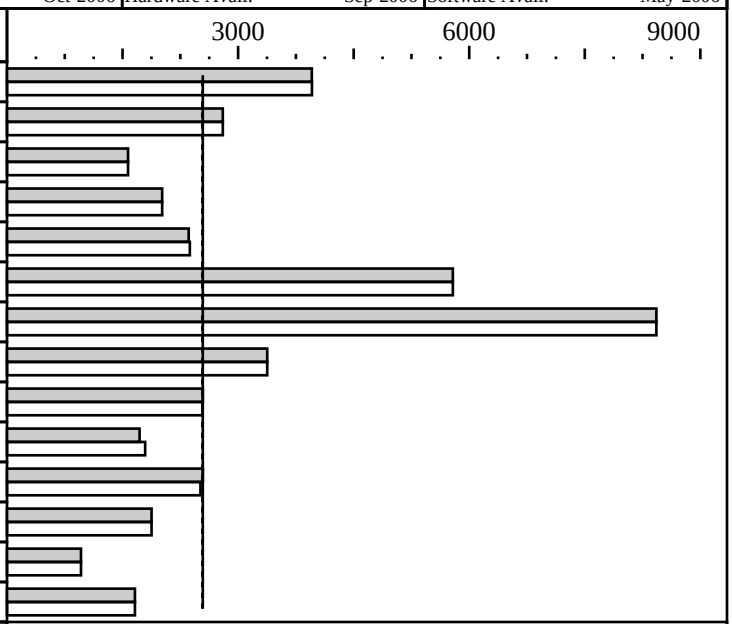
ProLiant ML310 G4 (2.4 GHz, Intel Xeon processor 3060)

SPECfp2000 = 2541

SPECfp_base2000 = 2535

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Oct-2006 | Hardware Avail: Sep-2006 | Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	40.4	3957	40.4	3958
171.swim	3100	111	2801	111	2801
172.mgrid	1800	115	1571	115	1571
173.applu	2100	104	2014	104	2014
177.mesa	1400	59.4	2358	59.0	2373
178.galgel	2900	50.1	5787	50.1	5787
179.art	2600	30.8	8430	30.8	8430
183.equake	1300	38.5	3378	38.5	3378
187.facerec	1900	74.8	2542	74.9	2535
188.ammp	2200	128	1721	123	1793
189.lucas	2000	78.7	2542	79.6	2511
191.fma3d	2100	112	1876	112	1876
200.sixtrack	1100	115	960	115	960
301.apsi	2600	157	1661	157	1661



Hardware

CPU:	Intel Xeon processor 3060 (2.4GHz, 4MB L2 shared, 1066 MHz bus)
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Parallel:	No
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	4 MB I+D on chip per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 GB (2x2 GB PC2-5300E)
Disk Subsystem:	1x80 GB SATA150
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z) Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z) 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 for Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs:       -fast              +FDO shlw32M.lib
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:  -fast -Qansi_alias                 +FDO
  171.swim:     -fast                              +FDO ONESTEP=yes
  172.mgrid:    -fast -Qansi_alias                 +FDO
  173.applu:    basepeak=1
  177.mesa:     -fast                              +FDO ONESTEP=yes
  178.galgel:   basepeak=1
  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:     -fast -Qansi_alias                 +FDO
  189.lucas:    -fast
```

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Notes/Tuning Information (Continued)

```
  191.fma3d:    basepeak=1
BIOS Configuration Notes
   Power Regulator set to Static High Performance Mode
```