CFP2000 Result

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Hewlett-Packard Company

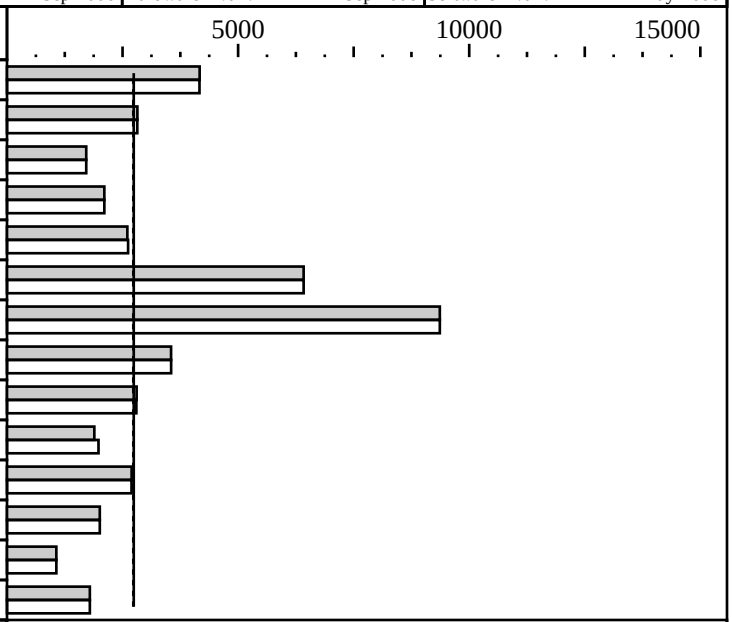
ProLiant ML310 G4 (2.66 GHz, Intel Xeon processor 3070)

SPECfp2000 = 2742

SPECfp_base2000 = 2733

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	38.4	4168	38.4	4164
171.swim	3100	110	2821	110	2819
172.mgrid	1800	105	1714	105	1714
173.applu	2100	99.7	2106	99.7	2106
177.mesa	1400	53.8	2604	53.4	2620
178.galgel	2900	45.2	6418	45.2	6418
179.art	2600	27.8	9364	27.8	9364
183.equake	1300	36.6	3549	36.6	3551
187.facerec	1900	67.8	2804	67.9	2799
188.ammp	2200	116	1889	111	1980
189.lucas	2000	74.2	2696	74.2	2694
191.fma3d	2100	105	2007	105	2007
200.sixtrack	1100	103	1068	103	1068
301.apsi	2600	145	1792	145	1792



Hardware

CPU:	Intel Xeon processor 3070 (2.66GHz, 4MB L2 shared, 1066 MHz bus)
CPU MHz:	2660
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
```