CFP2000 Result

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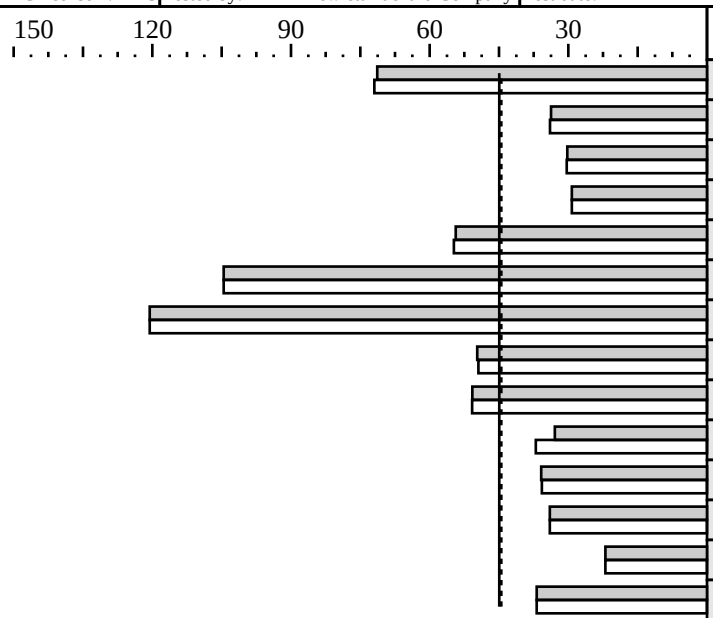
Hewlett-Packard Company

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

SPECfp_rate2000 = 44.9

SPECfp_rate_base2000 = 44.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	52.0	71.3	2	51.6	72.0
171.swim	2	213	33.7	2	212	34.0
172.mgrid	2	138	30.2	2	138	30.3
173.applu	2	167	29.2	2	167	29.2
177.mesa	2	59.8	54.4	2	59.3	54.8
178.galgel	2	64.3	105	2	64.3	105
179.art	2	50.0	121	2	50.0	121
183.equake	2	60.7	49.7	2	61.0	49.5
187.facerec	2	86.8	50.8	2	86.8	50.8
188.ammp	2	155	32.9	2	138	37.0
189.lucas	2	129	35.9	2	130	35.7
191.fma3d	2	143	34.0	2	143	34.0
200.sixtrack	2	116	22.0	2	116	22.0
301.apsi	2	164	36.8	2	164	36.8

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
```