CFP2000 Result

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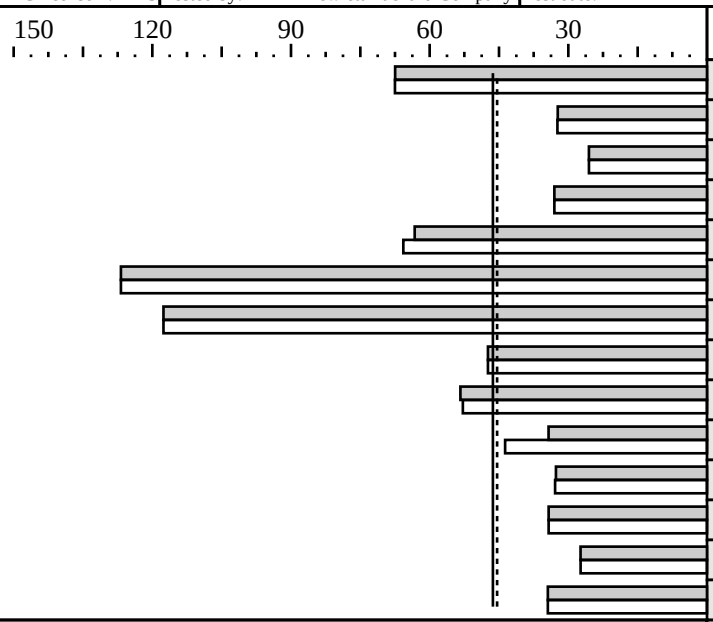
Hewlett-Packard Company

ProLiant ML370 G5 (3.0GHz, Intel Xeon processor 5160)

SPECfp_rate2000 = 46.3

SPECfp_rate_base2000 = 45.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	55.0	67.5	2	55.0	67.5
171.swim	2	223	32.3	2	222	32.4
172.mgrid	2	163	25.5	2	164	25.5
173.applu	2	148	33.0	2	148	33.0
177.mesa	2	51.4	63.2	2	49.4	65.7
178.galgel	2	53.1	127	2	53.1	127
179.art	2	51.3	118	2	51.3	118
183.equake	2	63.6	47.4	2	63.6	47.4
187.facerec	2	82.6	53.3	2	83.5	52.8
188.ammp	2	149	34.3	2	117	43.7
189.lucas	2	142	32.7	2	141	32.9
191.fma3d	2	142	34.3	2	142	34.3
200.sixtrack	2	93.3	27.4	2	93.3	27.3
301.apsi	2	175	34.4	2	175	34.4

Hardware

CPU:	Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32KB (I) + 32KB (D) (on chip) per core
Secondary Cache:	4096KB(I+D) (on chip) shared
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x2048MB PC2-5300F
Disk Subsystem:	1x36GB SAS
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ 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
```

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Notes/Tuning Information (Continued)

```
188.ammp:      -fast -Qansi_alias                    +FDO
189.lucas:     -fast
191.fma3d:     basepeak=1
200.sixtrack: -fast                                  +FDO
301.apsi:              basepeak=1
```