CFP2000 Result

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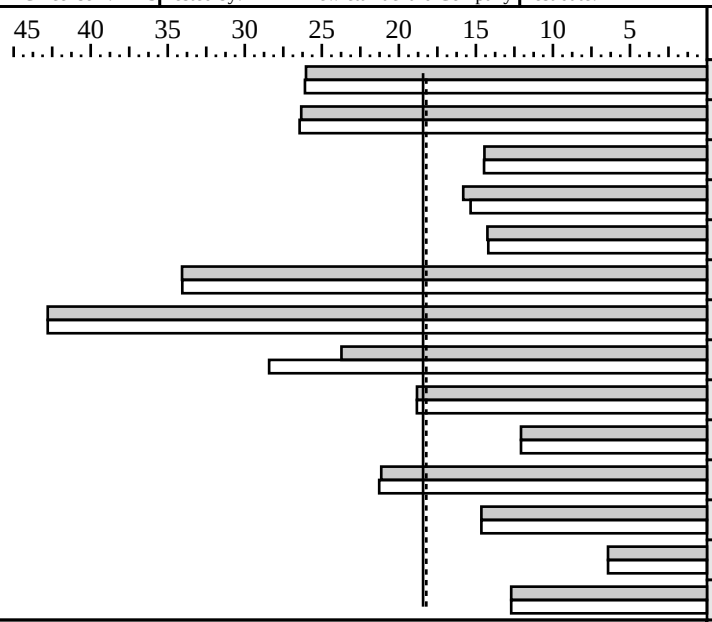
Hewlett-Packard Company

ProLiant ML370 G4 (2.8GHz, Dual-Core Intel Xeon)

SPECfp_rate2000 = 18.4

SPECfp_rate_base2000 = 18.2

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Feb-2006 | Hardware Avail: Dec-2005 | Software Avail: Jan-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	71.3	26.0	1	71.1	26.1
171.swim	1	137	26.3	1	136	26.4
172.mgrid	1	145	14.4	1	144	14.5
173.applu	1	154	15.8	1	159	15.3
177.mesa	1	114	14.3	1	114	14.2
178.galgel	1	98.7	34.1	1	98.8	34.1
179.art	1	70.5	42.8	1	70.5	42.8
183.equake	1	63.6	23.7	1	53.1	28.4
187.facerec	1	117	18.8	1	117	18.8
188.ammp	1	211	12.1	1	211	12.1
189.lucas	1	110	21.1	1	109	21.3
191.fma3d	1	166	14.6	1	166	14.6
200.sixtrack	1	199	6.42	1	199	6.42
301.apsi	1	237	12.7	1	237	12.7

Hardware

CPU:	Dual-Core Intel Xeon (2.8GHz, 2x2MB L2, 800MHz bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x512MB PC2-3200
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20060120Z) Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20060120Z) 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-       +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
Other Configuration Notes
  /NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```