CFP2000 Result

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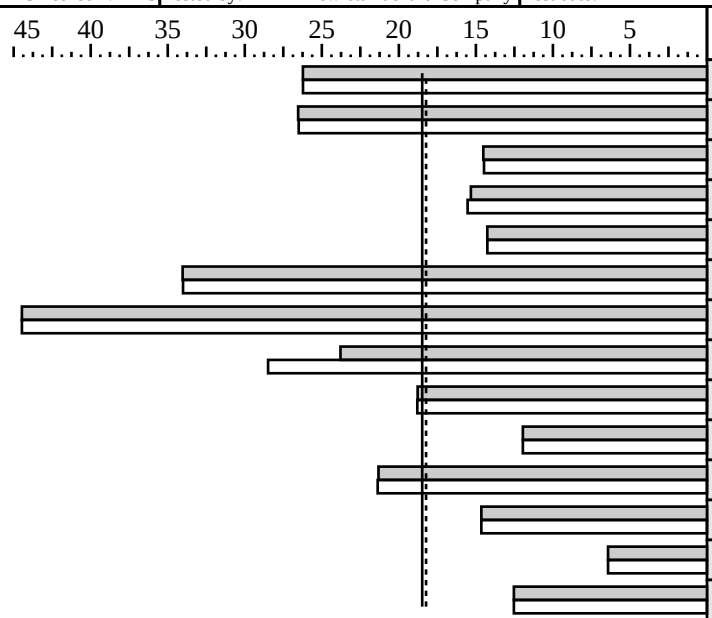
Hewlett-Packard Company

ProLiant DL380 G4 (2.8GHz, Intel dual-core Xeon)

SPECfp_rate2000 = 18.5

SPECfp_rate_base2000 = 18.2

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Sep-2005 | Hardware Avail: Oct-2005 | Software Avail: Jun-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	70.8	26.2	1	70.8	26.2
171.swim	1	136	26.5	1	136	26.5
172.mgrid	1	144	14.5	1	144	14.5
173.applu	1	159	15.3	1	157	15.5
177.mesa	1	114	14.3	1	114	14.3
178.galgel	1	98.8	34.0	1	98.9	34.0
179.art	1	67.8	44.5	1	67.8	44.5
183.equake	1	63.4	23.8	1	52.9	28.5
187.facerec	1	117	18.8	1	117	18.8
188.ammp	1	214	12.0	1	214	12.0
189.lucas	1	109	21.3	1	109	21.4
191.fma3d	1	166	14.6	1	166	14.6
200.sixtrack	1	199	6.42	1	199	6.42
301.apsi	1	241	12.5	1	241	12.5

Hardware

CPU:	Intel dual-core 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:	4x2048MB PC2-3200
Disk Subsystem:	1x72.8GB 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 20050624Z) Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20050624Z) 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- -fpp +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.
```