CFP2000 Result

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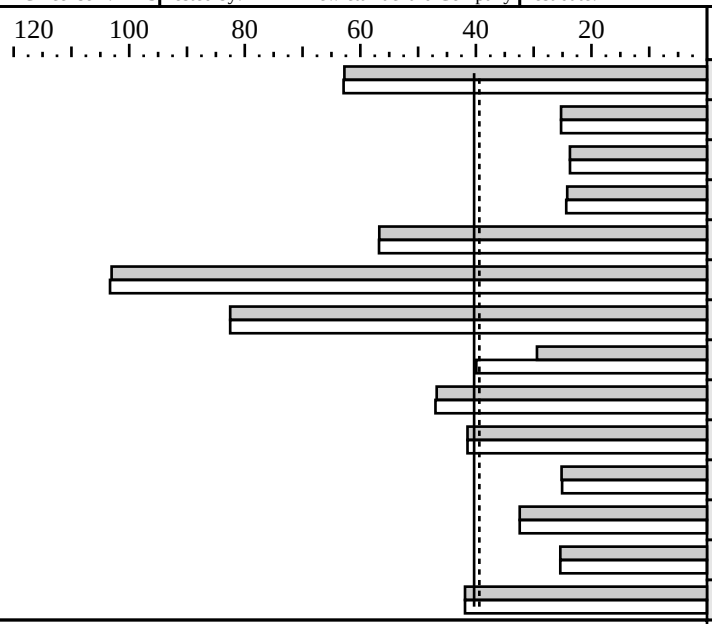
Hewlett-Packard Company

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

SPECfp_rate2000 = 40.3

SPECfp_rate_base2000 = 39.4

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	4	118	62.8	4	118	62.9
171.swim	4	569	25.3	4	570	25.3
172.mgrid	4	352	23.7	4	352	23.7
173.applu	4	403	24.2	4	400	24.4
177.mesa	4	115	56.7	4	114	56.8
178.galgel	4	131	103	4	130	103
179.art	4	146	82.5	4	146	82.5
183.equake	4	205	29.4	4	151	39.9
187.facerec	4	188	46.8	4	188	47.0
188.ammp	4	246	41.5	4	246	41.5
189.lucas	4	369	25.2	4	370	25.1
191.fma3d	4	301	32.4	4	301	32.4
200.sixtrack	4	201	25.4	4	201	25.4
301.apsi	4	288	41.9	4	288	41.9

Hardware

CPU:	Intel dual-core Xeon (2.8GHz, 2x2MB L2, 800MHz bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 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
```