CFP2000 Result

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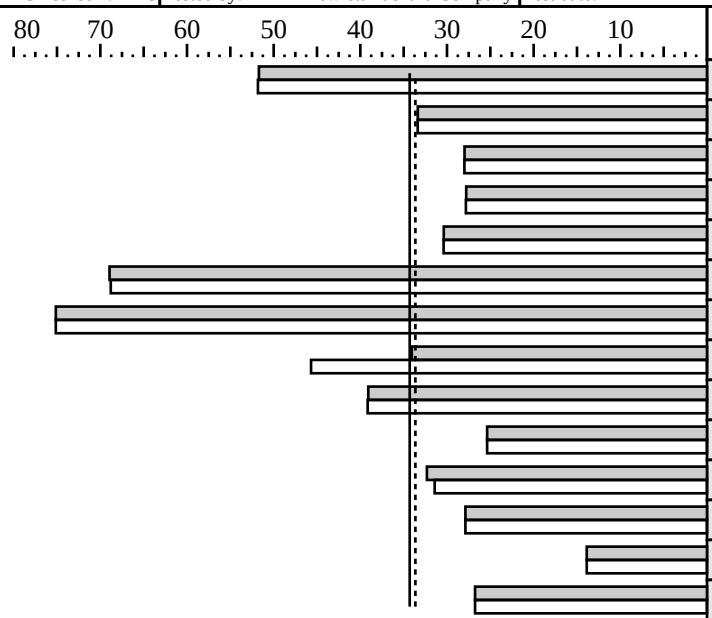
Hewlett-Packard Company

ProLiant DL320 G4 (3.0GHz Intel Pentium D Processor 930)

SPECfp_rate2000 = 34.3

SPECfp_rate_base2000 = 33.6

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	71.8	51.7	2	71.6	51.8
171.swim	2	216	33.4	2	215	33.4
172.mgrid	2	149	28.0	2	149	28.0
173.applu	2	175	27.8	2	175	27.8
177.mesa	2	107	30.4	2	107	30.4
178.galgel	2	97.6	68.9	2	97.8	68.8
179.art	2	80.3	75.1	2	80.3	75.1
183.equake	2	88.5	34.1	2	66.0	45.7
187.facerec	2	113	39.1	2	113	39.2
188.ammp	2	201	25.4	2	201	25.4
189.lucas	2	144	32.3	2	148	31.4
191.fma3d	2	175	27.9	2	175	27.9
200.sixtrack	2	184	13.9	2	184	13.9
301.apsi	2	225	26.8	2	225	26.8

Hardware

CPU:	Intel Pentium D Processor 930 (3.0 GHz, 2x2MB L2, 800MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
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 PC2-4200
Disk Subsystem:	1x80.0GB SATA
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard SP1
Compiler:	Intel C++ 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                          +FDO ONESTEP=yes
  172.mgrid:    -fast -Qansi_alias             +FDO
  173.applu:    -fast -Qscalar_rep- -Qauto     +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
```