CFP2000 Result

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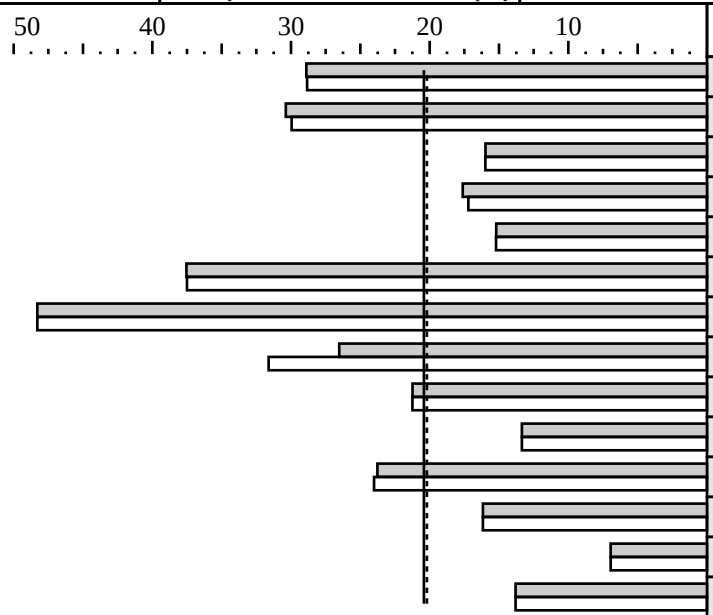
Hewlett-Packard Company

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

SPECfp_rate2000 = 20.4

SPECfp_rate_base2000 = 20.2

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	1	64.2	28.9	1	64.4	28.8
171.swim	1	118	30.4	1	120	30.0
172.mgrid	1	131	16.0	1	131	16.0
173.applu	1	138	17.6	1	142	17.2
177.mesa	1	107	15.2	1	107	15.2
178.galgel	1	89.6	37.5	1	89.7	37.5
179.art	1	62.5	48.3	1	62.5	48.3
183.equake	1	56.9	26.5	1	47.7	31.6
187.facerec	1	104	21.2	1	104	21.2
188.ammp	1	191	13.3	1	191	13.3
189.lucas	1	97.6	23.8	1	96.6	24.0
191.fma3d	1	151	16.2	1	151	16.2
200.sixtrack	1	184	6.95	1	184	6.95
301.apsi	1	218	13.8	1	218	13.8

Hardware

CPU:	Intel Pentium D Processor 930 (3.0 GHz, 2x2MB L2, 800MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 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
  Other Configuration Notes
    /NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```