CFP2000 Result

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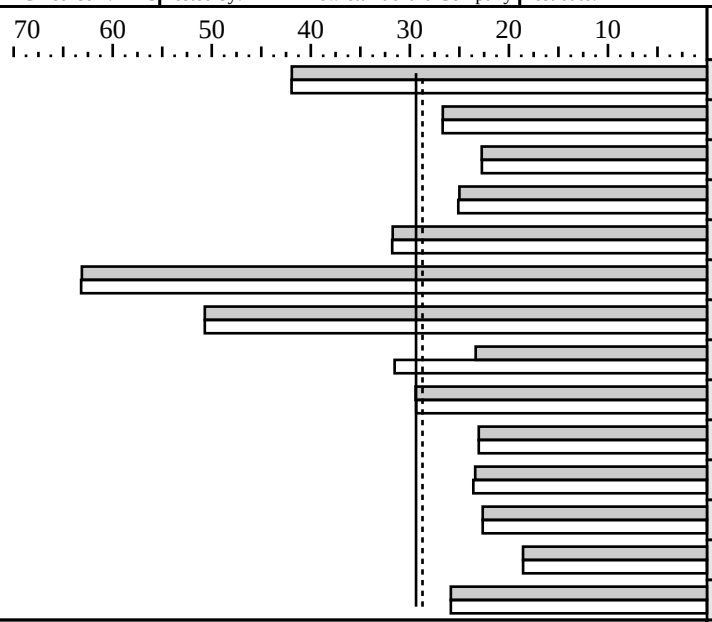
Hewlett-Packard Company

ProLiant DL580 G3 (3.333GHz, Intel Xeon)

SPECfp_rate2000 = 29.4

SPECfp_rate_base2000 = 28.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	177	41.9	4	177	41.9
171.swim	4	539	26.7	4	539	26.7
172.mgrid	4	367	22.7	4	367	22.7
173.applu	4	390	25.0	4	388	25.1
177.mesa	4	205	31.7	4	204	31.8
178.galgel	4	213	63.1	4	213	63.2
179.art	4	238	50.7	4	238	50.7
183.equake	4	258	23.4	4	191	31.5
187.facerec	4	300	29.4	4	300	29.4
188.ammp	4	443	23.0	4	443	23.0
189.lucas	4	397	23.4	4	393	23.6
191.fma3d	4	430	22.6	4	430	22.6
200.sixtrack	4	275	18.6	4	275	18.6
301.apsi	4	466	25.9	4	466	25.9

Hardware

CPU:	Intel Xeon MP (3.333GHz, 1MB L2, 8MB L3, 667MHz bus)
CPU MHz:	3333
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2,4
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	8192KB
Other Cache:	N/A
Memory:	16x2048MB DDR2-400
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise (Build 3790)
Compiler:	Intel C++ Compiler for 32-bit applications, Version 8.1 Build 20050524Z Intel Fortran Compiler for 32-bit applications, Version 8.1 build 20050517Z 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 enabled
```