CFP2000 Result

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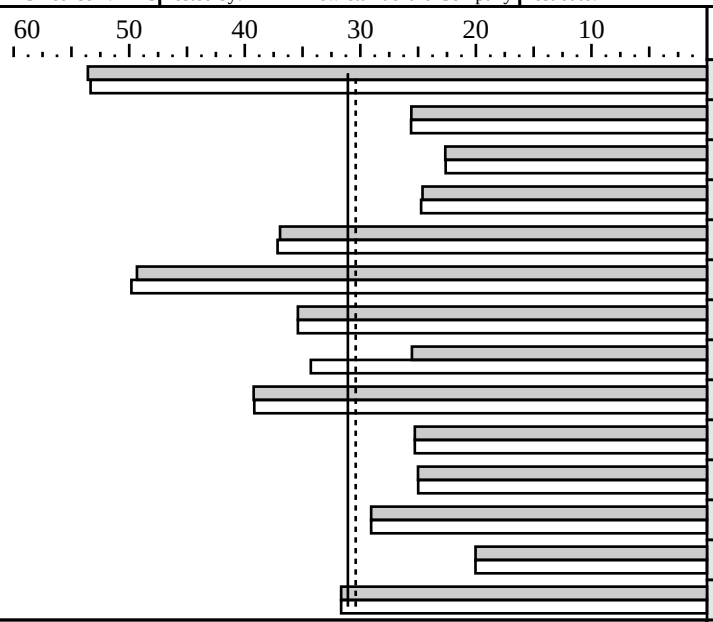
Hewlett-Packard Company
ProLiant DL140 G2 (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 31.1

SPECfp_rate_base2000 = 30.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	139	53.6	4	139	53.3
171.swim	4	562	25.6	4	562	25.6
172.mgrid	4	369	22.6	4	369	22.6
173.applu	4	396	24.6	4	394	24.7
177.mesa	4	176	36.9	4	175	37.2
178.galgel	4	273	49.3	4	270	49.8
179.art	4	341	35.4	4	341	35.4
183.equake	4	236	25.5	4	176	34.3
187.facerec	4	225	39.2	4	225	39.2
188.ammp	4	404	25.3	4	404	25.3
189.lucas	4	371	25.0	4	371	25.0
191.fma3d	4	335	29.1	4	335	29.1
200.sixtrack	4	255	20.0	4	255	20.0
301.apsi	4	381	31.7	4	381	31.7

Hardware

CPU:	Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x1024MB PC2-3200
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20050524Z Intel Fortran Compiler 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
```