CFP2000 Result

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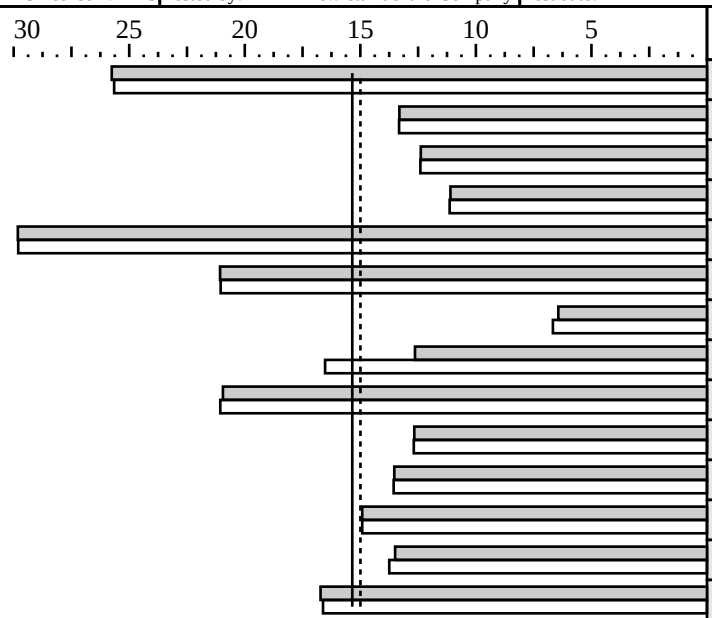
Hewlett-Packard Company

ProLiant DL140 (3.2GHz/1MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 15.3

SPECfp_rate_base2000 = 15.0

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2003 | Hardware Avail: Nov-2003 | Software Avail: Nov-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	144	25.8	2	145	25.7
171.swim	2	540	13.3	2	540	13.3
172.mgrid	2	337	12.4	2	337	12.4
173.applu	2	439	11.1	2	438	11.1
177.mesa	2	109	29.8	2	109	29.8
178.galgel	2	319	21.1	2	320	21.0
179.art	2	938	6.43	2	905	6.67
183.equake	2	239	12.6	2	183	16.5
187.facerec	2	210	20.9	2	209	21.1
188.ammp	2	403	12.7	2	402	12.7
189.lucas	2	343	13.5	2	342	13.6
191.fma3d	2	327	14.9	2	327	14.9
200.sixtrack	2	189	13.5	2	186	13.7
301.apsi	2	361	16.7	2	363	16.6

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	1024KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	1x80GB ATA/100 7200 rpm
Other Hardware:	

Software

Operating System:	Windows 2000 Server(Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.1 Build 20030813Z Intel Fortran Compiler 7.1 build 20030813Z 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 for all programs: -QxW -Qipo -O3 +FDO ONESTEP=yes
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:    -Qipo -QxW  +FDO ONESTEP=yes
  171.swim:       -Qipo -QxW  -O3 +FDO ONESTEP=yes
  172.mgrid:      -Qipo -QaxW -O3 +FDO ONESTEP=yes
  173.applu:      -Qipo -QxW  -O3 -Qscalar_rep- -Qauto +FDO ONESTEP=yes
  177.mesa:       -Qipo -QxW  -O3 +FDO ONESTEP=yes
  178.galgel:     -Qipo -QxW  -O3 +FDO ONESTEP=yes
  179.art:        -Qipo -Oa -Qunroll4 -Zp4 ONESTEP=yes
  183.equake:     -Qipo -QxW  -Oa -Qrcd +FDO shlw32M.lib ONESTEP=yes
  187.facerec:    -Qipo -QaxW  -O3 -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
  188.ammp:       -QxW  -Oa ONESTEP=yes
  189.lucas:      -Qipo -QaxW
  191.fma3d:      basepeak=1
```

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Notes/Tuning Information (Continued)

```
    200.sixtrack:   -Qipo -QxW  +FDO ONESTEP=yes
    301.apsi:       -Qipo -QxW  -O3 +FDO ONESTEP=yes
  BIOS Configuration Notes
    Hyper Threading disabled
```