CFP2000 Result

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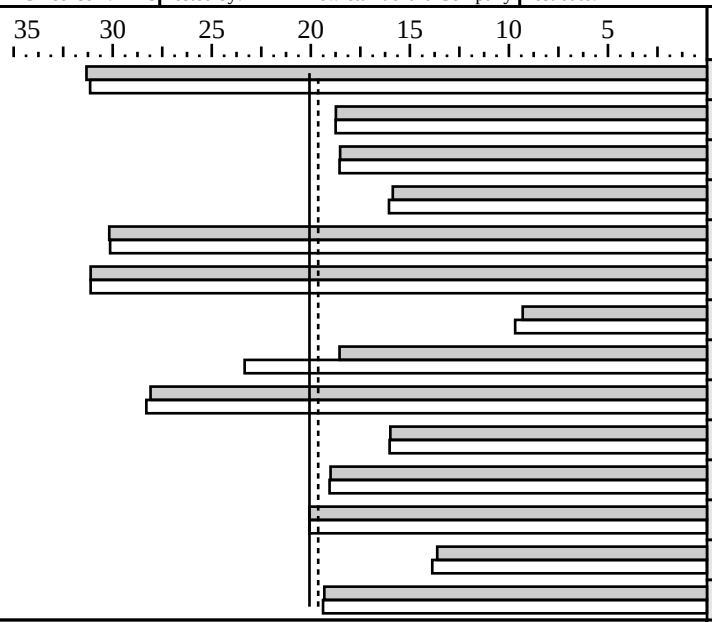
Hewlett-Packard Company

ProLiant DL360 G3(3.2GHz/1MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 20.1

SPECfp_rate_base2000 = 19.6

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	119	31.3	2	119	31.1
171.swim	2	384	18.7	2	384	18.7
172.mgrid	2	225	18.5	2	225	18.5
173.applu	2	307	15.9	2	303	16.1
177.mesa	2	108	30.2	2	108	30.1
178.galgel	2	216	31.1	2	216	31.1
179.art	2	648	9.30	2	623	9.68
183.equake	2	163	18.5	2	129	23.3
187.facerec	2	157	28.1	2	156	28.3
188.ammp	2	319	16.0	2	319	16.0
189.lucas	2	244	19.0	2	244	19.1
191.fma3d	2	243	20.1	2	243	20.1
200.sixtrack	2	187	13.6	2	184	13.9
301.apsi	2	312	19.3	2	311	19.4

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:	2x36.4GB 15K Ultra320 SCSI
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:	Hyper Threading disabled in BIOS

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning: -QxW -Qipo -O3 +FDO ONESTEP=yes
Portability:
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
```