CFP2000 Result

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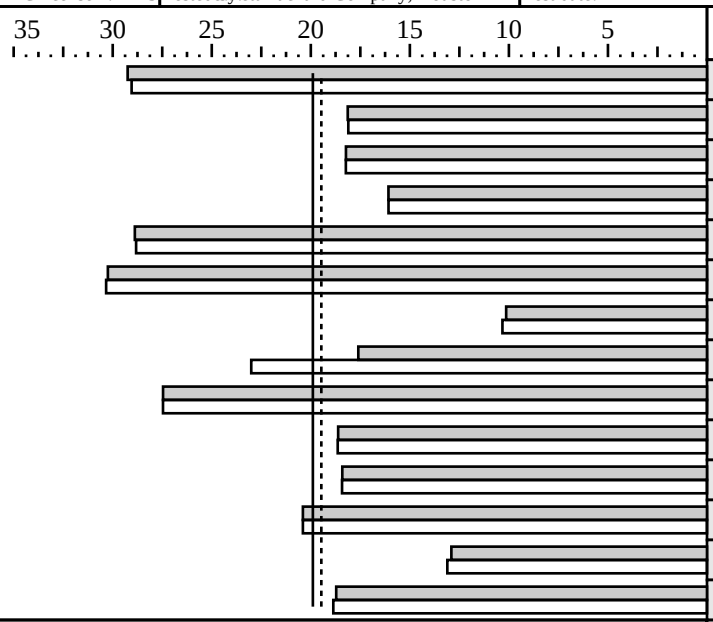
Hewlett-Packard Company

ProLiant BL20p G2 (3.06GHz/1MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 19.9

SPECfp_rate_base2000 = 19.5

SPEC license #: 3 Tested by: Hewlett-Packard Company, Houston TX Test date: Aug-2003 Hardware Avail: Jul-2003 Software Avail: Jun-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	127	29.2	2	128	29.0
171.swim	2	397	18.1	2	397	18.1
172.mgrid	2	229	18.2	2	229	18.2
173.applu	2	303	16.1	2	303	16.1
177.mesa	2	112	28.9	2	113	28.8
178.galgel	2	222	30.2	2	222	30.3
179.art	2	595	10.1	2	584	10.3
183.equake	2	171	17.6	2	131	23.0
187.facerec	2	161	27.5	2	161	27.5
188.ammp	2	274	18.6	2	274	18.6
189.lucas	2	252	18.4	2	252	18.4
191.fma3d	2	239	20.4	2	239	20.4
200.sixtrack	2	198	12.9	2	195	13.1
301.apsi	2	322	18.7	2	320	18.9

Hardware

CPU:	Intel Xeon (3.06GHz, 533MHz bus)
CPU MHz:	3066
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:	2x1024MB PC2100
Disk Subsystem:	2x18.2GB 15K Ultra3 SCSI
Other Hardware:	

Software

Operating System:	Windows 2000 Server (Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.1 Build 20030801Z Microsoft Visual Studio Enterprise Edition 6.0 (for libraries) Intel Fortran Compiler 7.1 build 20030307Z MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Hyperthreading 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- +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 +FDO shlw32M.lib ONESTEP=yes
187.facerec:    -Qipo -QxW  -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
```