CFP2000 Result

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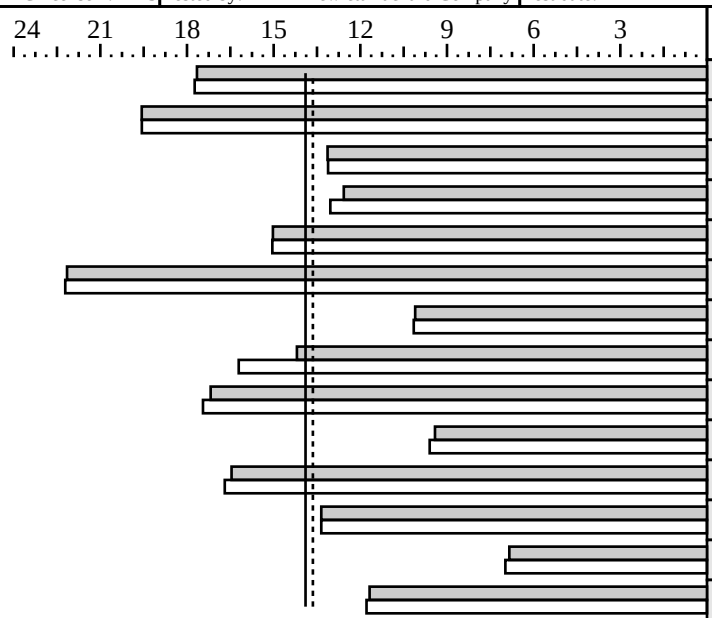
Hewlett-Packard Company

ProLiant BL20p G2(3.2GHz/1MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 13.9

SPECfp_rate_base2000 = 13.6

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	105	17.7	1	105	17.7
171.swim	1	184	19.6	1	184	19.6
172.mgrid	1	159	13.1	1	159	13.1
173.applu	1	194	12.6	1	187	13.0
177.mesa	1	108	15.0	1	108	15.0
178.galgel	1	152	22.2	1	151	22.2
179.art	1	299	10.1	1	297	10.2
183.equake	1	106	14.2	1	93.0	16.2
187.facerec	1	128	17.2	1	126	17.4
188.ammp	1	271	9.42	1	266	9.60
189.lucas	1	141	16.5	1	139	16.7
191.fma3d	1	182	13.4	1	182	13.4
200.sixtrack	1	186	6.84	1	183	6.98
301.apsi	1	258	11.7	1	256	11.8

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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:	Default

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)

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