CFP2000 Result

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Hewlett-Packard Company

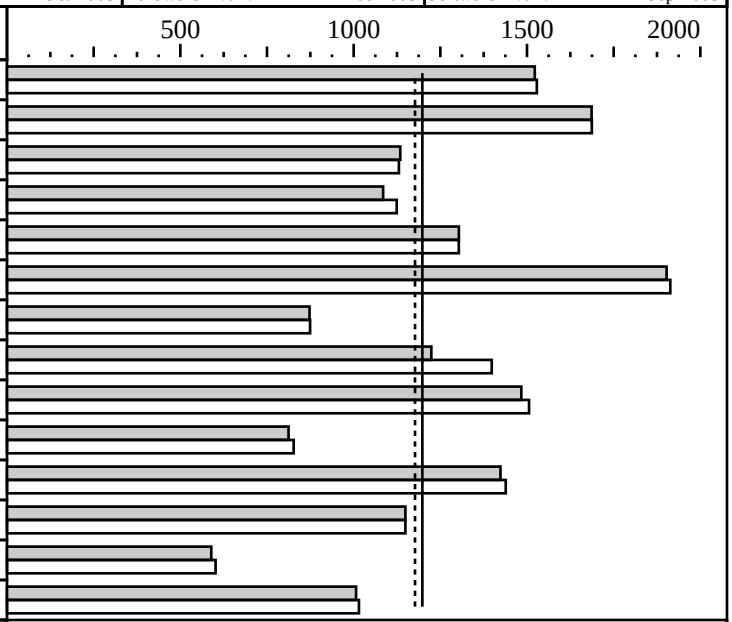
ProLiant BL20p G2(3.2GHz/1MB L3 cache, Intel Xeon)

SPECfp2000 = 1198

SPECfp_base2000 = 1177

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	105	1522	105	1528
171.swim	3100	184	1686	184	1687
172.mgrid	1800	159	1134	159	1131
173.applu	2100	194	1085	187	1124
177.mesa	1400	107	1303	107	1303
178.galgel	2900	152	1903	152	1913
179.art	2600	298	873	297	874
183.equake	1300	106	1224	93.0	1398
187.facerec	1900	128	1484	126	1506
188.ammp	2200	271	812	266	827
189.lucas	2000	141	1423	139	1439
191.fma3d	2100	183	1149	183	1149
200.sixtrack	1100	187	589	183	602
301.apsi	2600	258	1007	256	1015



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
```