CFP2000 Result

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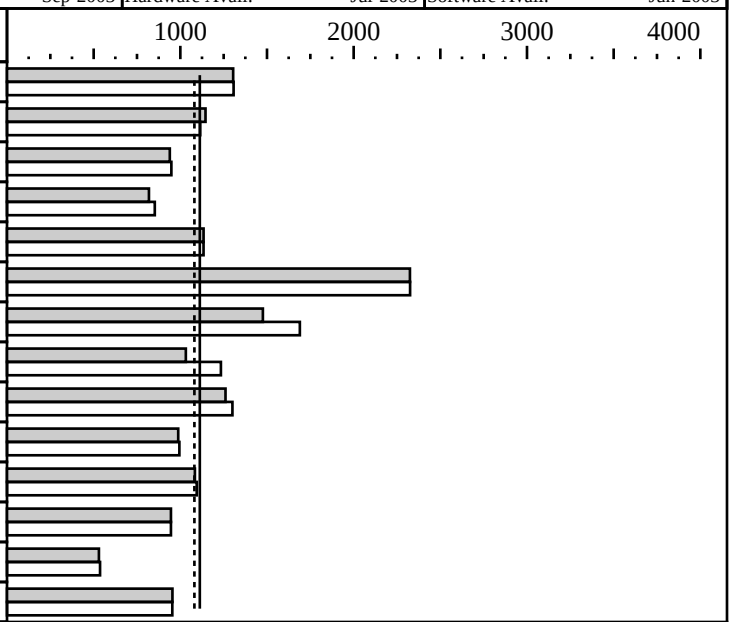
Hewlett-Packard Company
ProLiant BL40p (2.8GHz, Intel Xeon MP)

SPECfp2000 = 1112

SPECfp_base2000 = 1081

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	123	1305	122	1307
171.swim	3100	271	1145	278	1115
172.mgrid	1800	192	939	190	948
173.applu	2100	256	819	246	853
177.mesa	1400	123	1134	123	1134
178.galgel	2900	125	2325	125	2326
179.art	2600	176	1476	154	1690
183.equake	1300	126	1032	105	1234
187.facerec	1900	151	1261	146	1301
188.ammp	2200	223	988	221	994
189.lucas	2000	185	1084	183	1095
191.fma3d	2100	222	946	222	946
200.sixtrack	1100	207	530	205	537
301.apsi	2600	272	954	273	954



Hardware

CPU:	Intel Xeon MP (2.8GHz, 400MHz bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading disabled)
CPU(s) orderable:	1,2,4
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048KB(I+D) on chip
Other Cache:	N/A
Memory:	2x512MB PC2100
Disk Subsystem:	2x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows 2000 Advanced Server (Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.1 Build 20030813Z Microsoft Visual Studio .NET 7.0.9466 (for libraries) Intel Fortran Compiler 7.1 build 20030813Z 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- -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
```