CFP2000 Result

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Hewlett-Packard Company

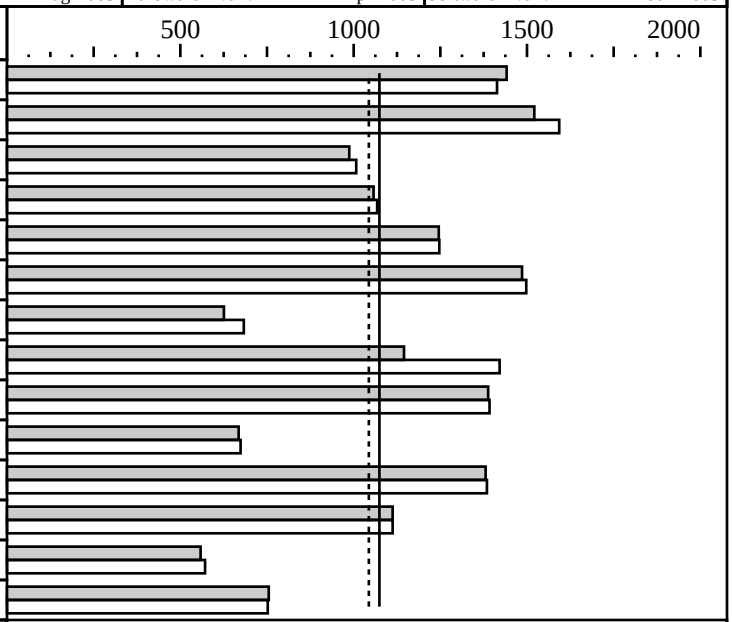
ProLiant BL20p G2 (3.06GHz, Intel Xeon)

SPECfp2000 = 1074

SPECfp_base2000 = 1044

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	111	1441	113	1414
171.swim	3100	204	1521	195	1593
172.mgrid	1800	182	987	179	1007
173.applu	2100	199	1057	197	1068
177.mesa	1400	112	1245	112	1247
178.galgel	2900	195	1486	194	1498
179.art	2600	416	626	381	683
183.equake	1300	114	1145	91.5	1421
187.facerec	1900	137	1388	137	1392
188.ammp	2200	329	668	327	674
189.lucas	2000	145	1381	144	1384
191.fma3d	2100	189	1112	189	1112
200.sixtrack	1100	197	558	193	571
301.apsi	2600	344	755	346	752



Hardware

CPU:	Intel Xeon (3.06GHz, 533MHz bus)
CPU MHz:	3066
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:	None
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
```