CFP2000 Result

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Hewlett-Packard Company

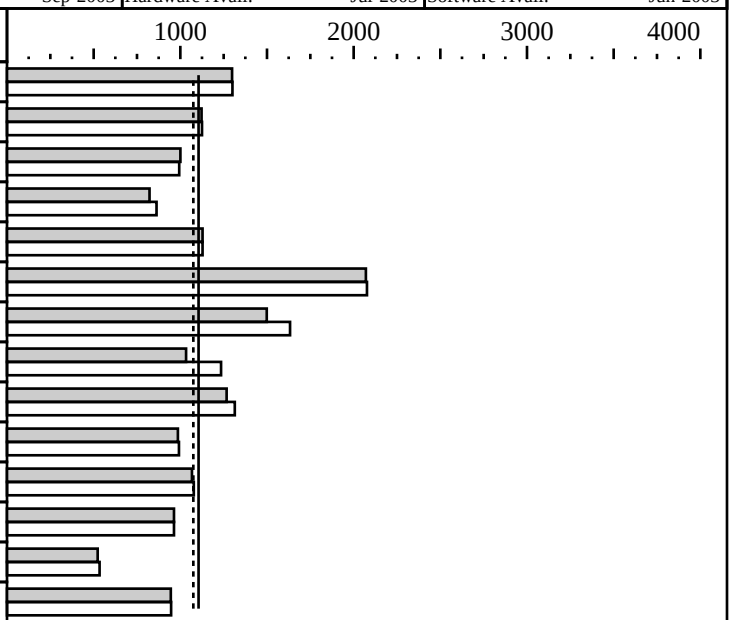
ProLiant DL560 (2.8GHz, Intel Xeon MP)

SPECfp2000 = 1105

SPECfp_base2000 = 1075

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	1299	123	1301
171.swim	3100	276	1122	276	1125
172.mgrid	1800	180	1000	181	994
173.applu	2100	255	822	243	863
177.mesa	1400	124	1128	124	1128
178.galgel	2900	140	2071	140	2077
179.art	2600	174	1499	159	1633
183.equake	1300	126	1033	105	1235
187.facerec	1900	150	1267	145	1314
188.ammp	2200	223	986	222	992
189.lucas	2000	187	1067	186	1078
191.fma3d	2100	218	963	218	963
200.sixtrack	1100	210	523	206	534
301.apsi	2600	275	945	275	947



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:	2x1024MB PC2100
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows 2000 Advanced Server (Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.1 Build 20030801Z Microsoft Visual Studio .NET 7.0.9466 (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- -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
```