CFP2000 Result

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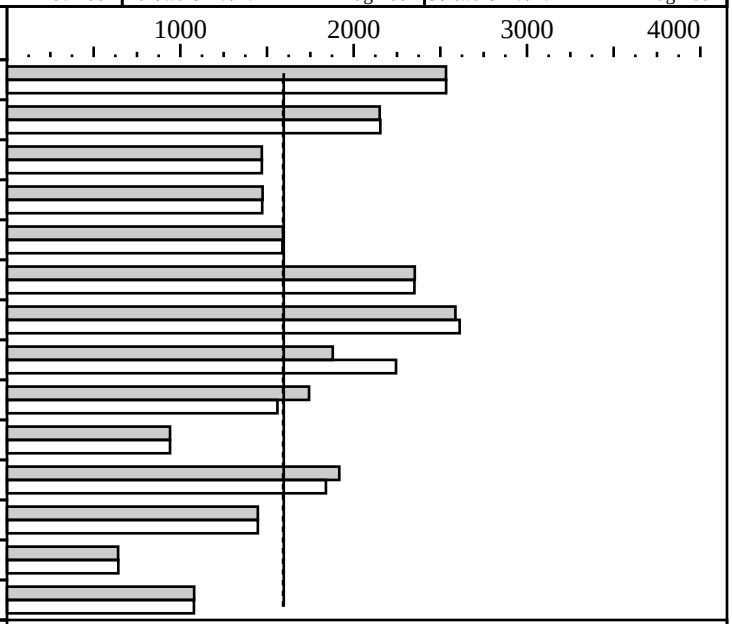
Hewlett-Packard Company
ProLiant BL20p G3 (3.6GHz, Intel Xeon)

SPECfp2000 = 1597

SPECfp_base2000 = 1593

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2004 | Hardware Avail: Aug-2004 | Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	63.2	2533	63.2	2533
171.swim	3100	144	2150	144	2154
172.mgrid	1800	122	1470	122	1470
173.applu	2100	142	1475	143	1472
177.mesa	1400	87.9	1593	88.1	1589
178.galgel	2900	123	2353	123	2351
179.art	2600	101	2587	99.6	2611
183.equake	1300	69.2	1879	57.9	2244
187.facerec	1900	109	1743	122	1560
188.ammp	2200	234	941	234	941
189.lucas	2000	104	1917	109	1840
191.fma3d	2100	145	1447	145	1447
200.sixtrack	1100	172	641	171	642
301.apsi	2600	241	1080	241	1078



Hardware

CPU:	Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB PC3200 CL3.0
Disk Subsystem:	1x72.8GB 15K U320
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z Intel Fortran Compiler 8.1 Build 20040802Z 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 Base tuning:  -QxP -fast -Qansi_alias +FDO
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:  -QxP   -fast  -Qansi_alias                    +FDO  ONESTEP=yes
  171.swim:     -QxP   -fast                        -f77rtl   +FDO  ONESTEP=yes
  172.mgrid:    -QxP   -fast  -Qansi_alias                    +FDO  ONESTEP=yes
  173.applu:    -QxP   -fast  -Qscalar_rep-  -Qauto  -f77rtl  +FDO  ONESTEP=yes
  177.mesa:     -QxP   -fast                                  +FDO  ONESTEP=yes
  178.galgel:   -QxP   -fast                                  +FDO  ONESTEP=yes
  179.art:             -fast  -Oa        -Qunroll4      -Zp4        ONESTEP=yes
 183.equake:   -QxP   -fast  -Oa       -Qrcd               +FDO  ONESTEP=yes  shlw32M.lib
  187.facerec:  -QaxN  -fast  -Qunroll1  -Qscalar_rep-  -fpp  +FDO  ONESTEP=yes
  188.ammp:     basepeak=1
  189.lucas:    -QaxN  -fast
  191.fma3d:    basepeak=1
```

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Notes/Tuning Information (Continued)

```
    200.sixtrack: -QxP   -fast                                  +FDO
    301.apsi:     -QxP   -fast                        -f77rtl  +FDO  ONESTEP=yes
  BIOS Configuration Notes
    HT Technology disabled
```