CFP2000 Result

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Intel Corporation

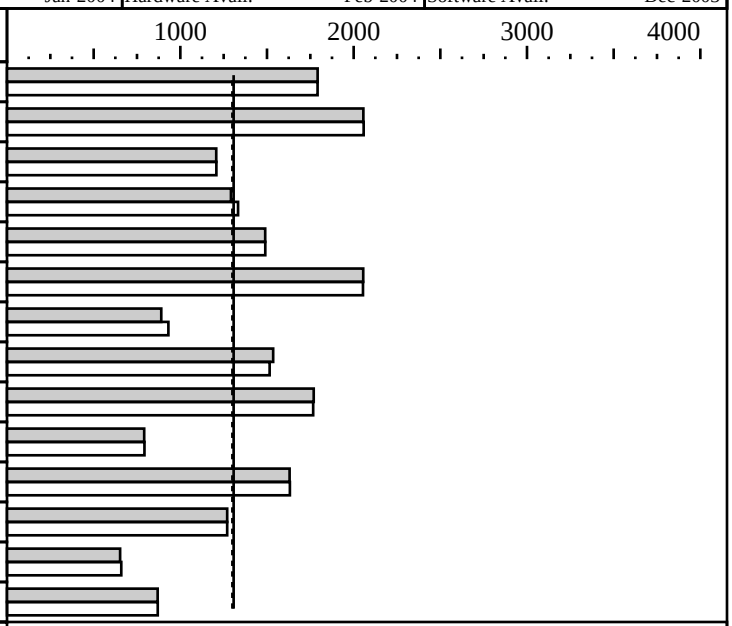
Intel D875PBZ motherboard (3.4 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECfp2000 = 1308

SPECfp_base2000 = 1300

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jan-2004 | Hardware Avail: Feb-2004 | Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	89.3	1792	89.3	1792
171.swim	3100	151	2056	151	2058
172.mgrid	1800	149	1207	149	1208
173.applu	2100	163	1292	158	1333
177.mesa	1400	94.0	1490	94.0	1490
178.galgel	2900	141	2055	141	2054
179.art	2600	292	890	279	931
183.equake	1300	84.7	1536	85.8	1515
187.facerec	1900	107	1769	108	1766
188.ammp	2200	278	792	277	793
189.lucas	2000	123	1630	123	1632
191.fma3d	2100	165	1270	165	1270
200.sixtrack	1100	169	653	167	659
301.apsi	2600	299	869	299	870



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(3.4 GHz, 800 MHz bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	1 GB(2 512MB PC3200 Samsung Double-sided CL3-3-3 DIMMs)
Disk Subsystem:	Seagate ST3160023AS 160 GB Serial ATA (7200 RPM, 8MB cache)
Other Hardware:	None

Software

Operating System:	Windows XP Professional Service Pack 1a
Compiler:	Intel C++ and Fortran Compiler 8.0 Build 20031017Z Microsoft Visual Studio .Net 7.0(for libraries) MicroQuill SmartHeap library V6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -QxN -fast -Qansi_alias +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -QxN -fast -Qansi_alias +FDO
171.swim:     -QxN -fast -Qansi_alias +FDO
172.mgrid:    -QxN -fast -Qansi_alias +FDO
173.applu:    -QxN -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:     -QxN -fast -Oa -Qscalar_rep- +FDO
178.galgel:   -QxN -fast -Qansi_alias +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -QxN -Oa -Qrcd -Qipo +FDO
187.facerec:  -QxN -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxN
189.lucas:    -QxN -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxN +FDO
301.apsi: -QxN -fast +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1
Product description located as of 9/2003:
http://developer.intel.com/design/motherbd/bz/index.htm
Motherboard is available through Intel OEM Distribution Channel. See
http://www.intel.com/cd/channel/reseller/asmo-na/eng/products/box_desktop_boards/p4_boards/p4_dsk_board_d875pbz/index.htm
The system bus runs at 800 MHz
shlW32M.lib is the SmartHeap library V6.0 from http://www.microquill.com/smartheap/index.html
An AGP video card is installed