CFP2000 Result

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Intel Corporation

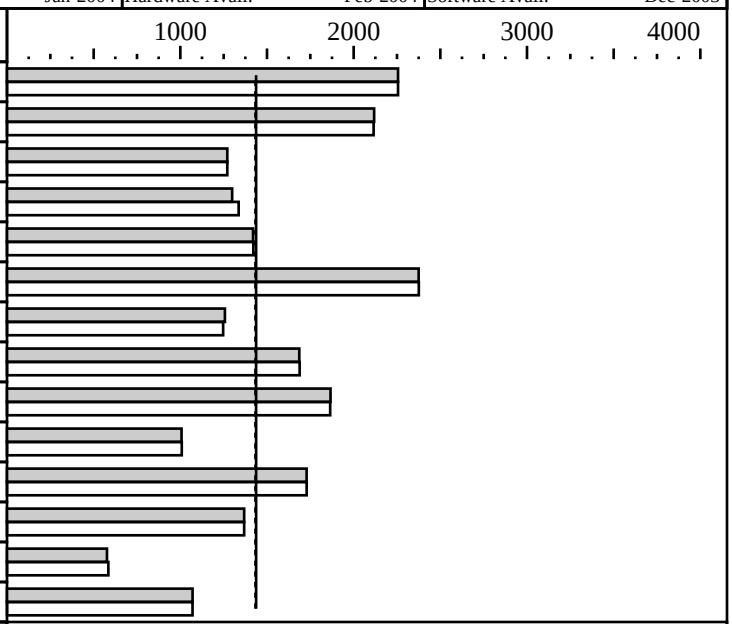
Intel D875PBZ motherboard (AA-301) (3.2E GHz, Pentium 4 Processor with Hyper-Threading Technology)

SPECfp2000 = 1437

SPECfp_base2000 = 1434

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	70.9	2256	70.9	2256
171.swim	3100	146	2118	147	2115
172.mgrid	1800	142	1271	142	1271
173.applu	2100	162	1299	157	1337
177.mesa	1400	98.6	1420	98.5	1421
178.galgel	2900	122	2375	122	2376
179.art	2600	207	1257	209	1247
183.equake	1300	77.1	1686	77.0	1688
187.facerec	1900	102	1866	102	1864
188.ammp	2200	218	1007	218	1008
189.lucas	2000	116	1729	116	1729
191.fma3d	2100	153	1368	153	1368
200.sixtrack	1100	191	577	188	585
301.apsi	2600	243	1071	243	1070



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(3.2E GHz, 800 MHz bus)
CPU MHz:	3200
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 + 16KBD on chip
Secondary Cache:	1MB(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 (-QxP not used in PASS1)
Base tuning:  -QxP -fast -Qansi_alias +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -QxP -fast -Qansi_alias +FDO
171.swim:     -QxP -fast -Qansi_alias +FDO
172.mgrid:    -QxP -fast -Qansi_alias +FDO
173.applu:    -QxP -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:     -QxP -fast -Oa -Qscalar_rep- +FDO
178.galgel:   -QxP -fast -Qansi_alias +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -QxP -Oa -Qrcd -Qipo +FDO
187.facerec:  -QxP -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxP
189.lucas:    -QxP -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxP +FDO
301.apsi: -QxP -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