CFP2000 Result

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Intel Corporation

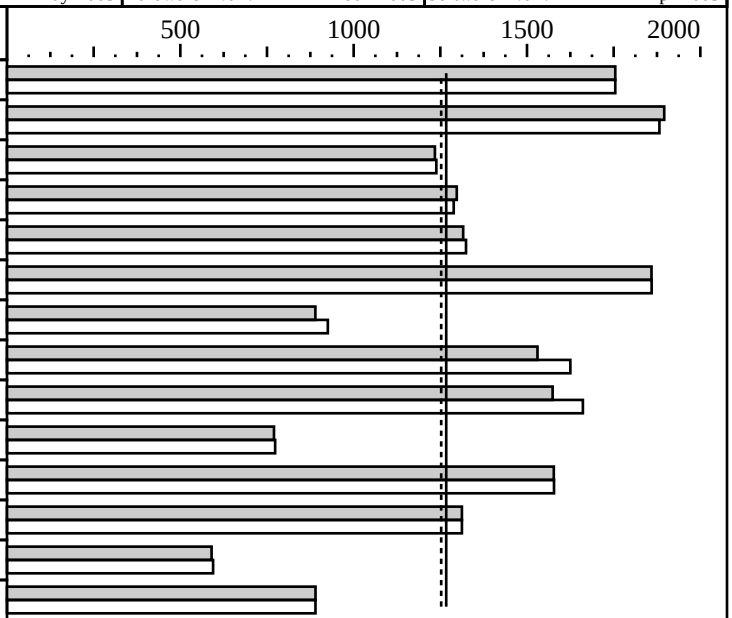
Intel D875PBZ motherboard (3.2 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECfp2000 = 1267

SPECfp_base2000 = 1252

SPEC license #: 13 | Tested by: Intel Corporation | Test date: May-2003 | Hardware Avail: Jun-2003 | Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	91.2	1755	91.2	1755
171.swim	3100	164	1896	165	1882
172.mgrid	1800	146	1234	145	1238
173.applu	2100	162	1297	163	1289
177.mesa	1400	106	1316	106	1324
178.galgel	2900	156	1859	156	1860
179.art	2600	292	890	281	925
183.equake	1300	85.0	1530	80.0	1625
187.facerec	1900	121	1574	114	1661
188.ammp	2200	286	770	284	773
189.lucas	2000	127	1577	127	1578
191.fma3d	2100	160	1312	160	1312
200.sixtrack	1100	186	590	185	594
301.apsi	2600	292	890	292	890



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(3.2 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 + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	512 MB (4 128 MB PC3200 Samsung CL3-3-3)
Disk Subsystem:	IBM 120GXP 80 GB IC35L080AVVA07-0 ATA-100
Other Hardware:	None

Software

Operating System:	Windows XP(Build 2600)
Compiler:	Intel C++ and Fortran Compiler 7.1 Build 20030224Z Microsoft Visual Studio .Net 7.0.9466(for libraries)
File System:	FAT32
System State:	Default

Notes/Tuning Information

```
ONESTEP=yes   +FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -Qipo -QxW -O3 +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -Qipo -QxW  -O3 +FDO
171.swim:     -Qipo -QxW  -O3 +FDO
172.mgrid:    -Qipo -QaxW -O3 +FDO
173.applu:    -Qipo -QxW  -O3 -Qscalar_rep- -Qauto +FDO
177.mesa:     -Qipo -QxW  -O3 -Oa -Qscalar_rep- +FDO
178.galgel:   -Qipo -QxW  -O3 +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -Qipo -QxW  -Oa -Qrcd +FDO
187.facerec:  -Qipo -QaxW -O3 -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxW
189.lucas:    -Qipo -QxW  -O3 -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxW  +FDO
301.apsi:     -Qipo -QxW  -O3 +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1
Product description located as of 4/2003:
http://developer.intel.com/design/motherbd/bz/index.htm
Motherboard is available through Intel OEM Distribution Channel. See
http://program.intel.com/shared/products/boards/d875pbz/index.htm
The system bus runs at 800 MHz
```