CFP2000 Result

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Intel Corporation

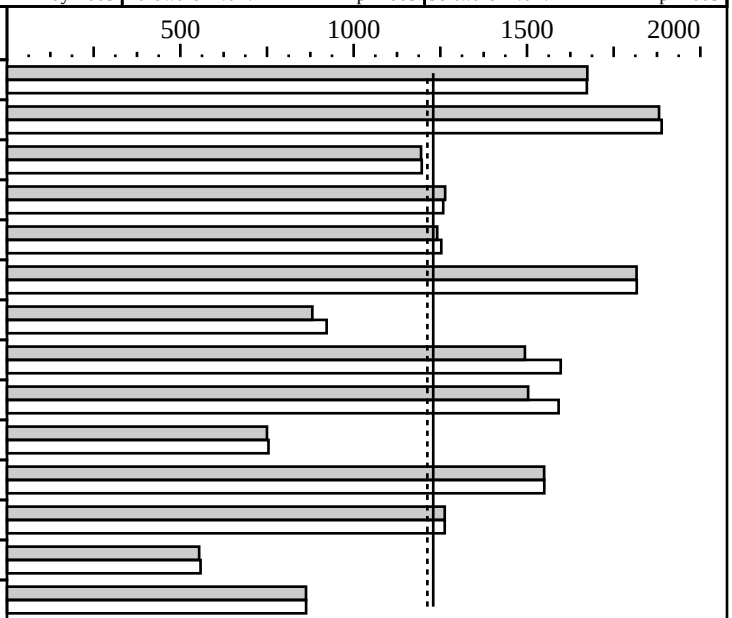
Intel D875PBZ motherboard (3.0 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECfp2000 = 1229

SPECfp_base2000 = 1213

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	95.6	1674	95.7	1673
171.swim	3100	165	1881	164	1888
172.mgrid	1800	151	1194	150	1196
173.applu	2100	166	1264	167	1258
177.mesa	1400	113	1241	112	1253
178.galgel	2900	160	1816	160	1817
179.art	2600	295	881	282	922
183.equake	1300	87.0	1494	81.4	1597
187.facerec	1900	126	1503	119	1591
188.ammp	2200	293	750	292	754
189.lucas	2000	129	1549	129	1550
191.fma3d	2100	166	1263	166	1263
200.sixtrack	1100	198	554	197	558
301.apsi	2600	301	863	301	863



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(3.0 GHz, 800 MHz bus)
CPU MHz:	3000
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 B
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
```