CFP2000 Result

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Intel Corporation

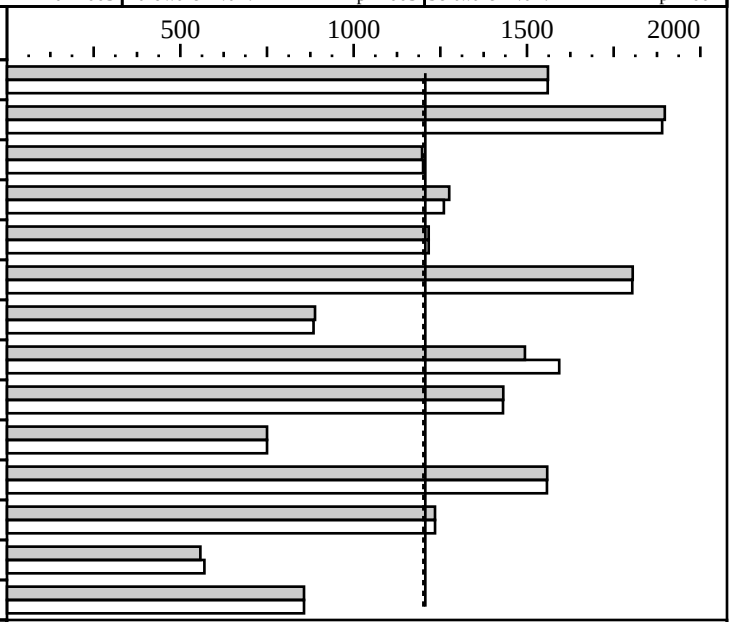
Intel D875PBZ motherboard (3.0 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECfp2000 = 1207

SPECfp_base2000 = 1201

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Mar-2003 | Hardware Avail: Apr-2003 | Software Avail: Apr-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	103	1560	103	1560
171.swim	3100	163	1897	164	1890
172.mgrid	1800	150	1197	150	1200
173.applu	2100	165	1276	167	1260
177.mesa	1400	115	1216	115	1216
178.galgel	2900	161	1805	161	1804
179.art	2600	293	889	294	884
183.equake	1300	87.0	1494	81.6	1593
187.facerec	1900	133	1432	133	1431
188.ammp	2200	293	750	293	750
189.lucas	2000	128	1558	128	1558
191.fma3d	2100	170	1235	170	1235
200.sixtrack	1100	197	558	193	569
301.apsi	2600	303	857	303	857



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 Professional(Build 2600)
Compiler:	Intel C++ Compiler 7.0 Build 021018Z Intel Fortran Compiler 7.0 Build 021028Z Microsoft Visual Studio .Net 7.0.9466(for libraries)
File System:	FAT32
System State:	Default

Notes/Tuning Information

```
+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:     basepeak=yes
178.galgel:   -Qipo -QxW  -O3 +FDO
179.art:      -Qipo -QxW  -O3 -Oa +FDO
183.equake:   -Qipo -QxW  -Oa -Qrcd +FDO
187.facerec:  -Qipo -QxW  -O3 +FDO
188.ammp:     basepeak=yes
189.lucas:    -Qipo -QxW  -O3 +FDO
191.fma3d:    -Qipo -QxW  -O3 +FDO
```

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Notes/Tuning Information (Continued)

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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 ordering information is available at:
http://program.intel.com/shared/products/boards/d875pbz/index.htm
The system bus runs at 800 MHz
```