CFP2000 Result

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Intel Corporation

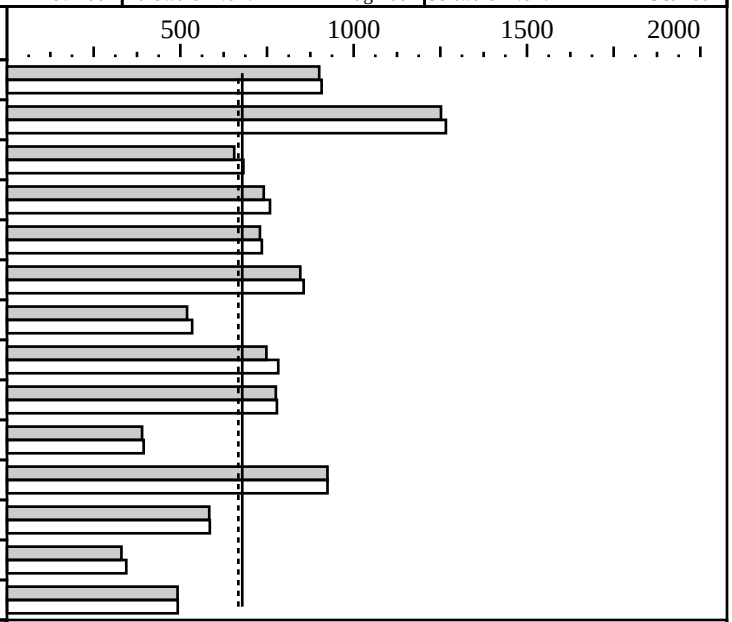
Intel D850MD motherboard (1.8 GHz, Pentium 4 processor)

SPECfp2000 = 679

SPECfp_base2000 = 667

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Nov-2001 | Hardware Avail: Aug-2001 | Software Avail: Oct-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	178	901	176	908
171.swim	3100	248	1252	245	1266
172.mgrid	1800	275	655	264	682
173.applu	2100	284	741	277	759
177.mesa	1400	192	730	190	735
178.galgel	2900	343	846	339	856
179.art	2600	500	519	487	534
183.equake	1300	174	748	166	782
187.facerec	1900	245	776	244	779
188.ammp	2200	565	390	558	394
189.lucas	2000	216	924	216	925
191.fma3d	2100	360	583	359	585
200.sixtrack	1100	333	330	320	344
301.apsi	2600	528	492	528	493



Hardware

CPU:	Pentium 4 processor (1.8 GHz, 400 MHz bus)
CPU MHz:	1800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 8KBD on chip
Secondary Cache:	256KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	256 MB (2 128 MB PC800 RDRAM non-ECC modules)
Disk Subsystem:	IBM DTLA-307030 ATA-100
Other Hardware:	None

Software

Operating System:	Windows XP Professional(Build 2600)
Compiler:	Intel C++ Compiler 5.0.1 Build 010525Z Intel Fortran Compiler 5.0.1 Build 010525Z Microsoft Visual C++ 6.0 SP5(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:     -Qipo -Oa -QxW -O3 +FDO
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:     -Qipo -QxW  -O3 -Oa +FDO
189.lucas:    -Qipo -QxW  -O3 +FDO
191.fma3d:    -Qipo -QxW  -O3 +FDO
```

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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 1/2002:
http://developer.intel.com/design/motherbd/md/index.htm
Motherboard ordering information is available at:
http://program.intel.com/shared/products/boards/D850MD/index.htm
The system bus runs at 400 MHz
```