CFP2000 Result

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Intel Corporation

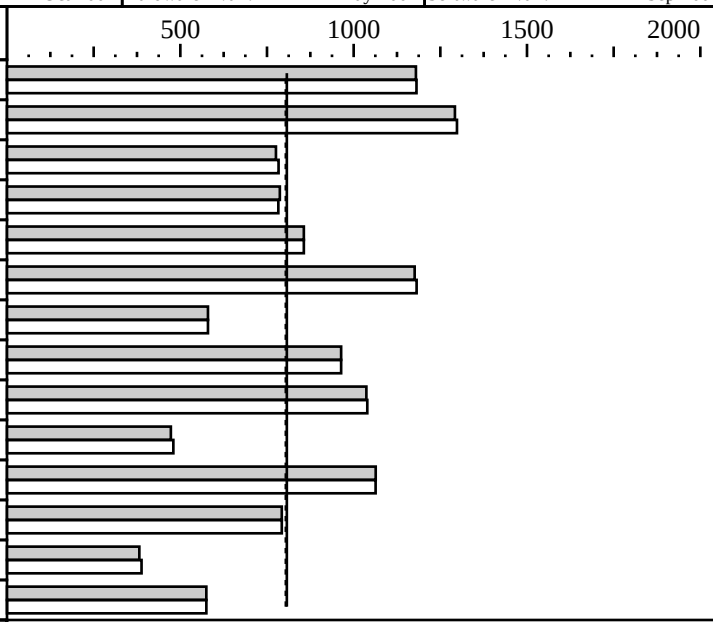
Intel D850EMV2 motherboard(2.0A GHz, Intel Pentium 4 processor)

SPECfp2000 = 807

SPECfp_base2000 = 804

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Oct-2004 | Hardware Avail: May-2002 | Software Avail: Sep-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	136	1180	135	1181
171.swim	3100	240	1292	239	1298
172.mgrid	1800	232	776	230	783
173.applu	2100	267	787	268	783
177.mesa	1400	164	856	164	856
178.galgel	2900	247	1176	245	1182
179.art	2600	448	580	448	580
183.equake	1300	135	964	135	964
187.facerec	1900	183	1037	183	1039
188.ammp	2200	465	473	458	480
189.lucas	2000	188	1064	188	1063
191.fma3d	2100	265	793	265	793
200.sixtrack	1100	288	382	283	388
301.apsi	2600	452	575	452	575



Hardware

CPU:	Intel Pentium 4 processor (2.0A GHz, 400 MHz bus)
CPU MHz:	2000
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:	512KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	256 MB (2 128 MB PC800-40 RDRAM non-ECC modules)
Disk Subsystem:	IBM 120GXP 80 GB IC35L080AVVA07-0 ATA-100
Other Hardware:	N/A

Software

Operating System:	Windows XP Professional SP2
Compiler:	Intel C++ and Fortran Compiler 8.1 Build 20040802Z Microsoft Visual Studio .Net 2002(for libraries) SmartHeap Library Version 6.0 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

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

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxN +FDO
301.apsi:     -O3 -Qipo -QxN +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B
Product description located as of 11/2004:
http://support.intel.com/support/motherboards/desktop/d850emv2/index.htm
The system bus runs at 400 MHz
```