CFP2000 Result

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Intel Corporation

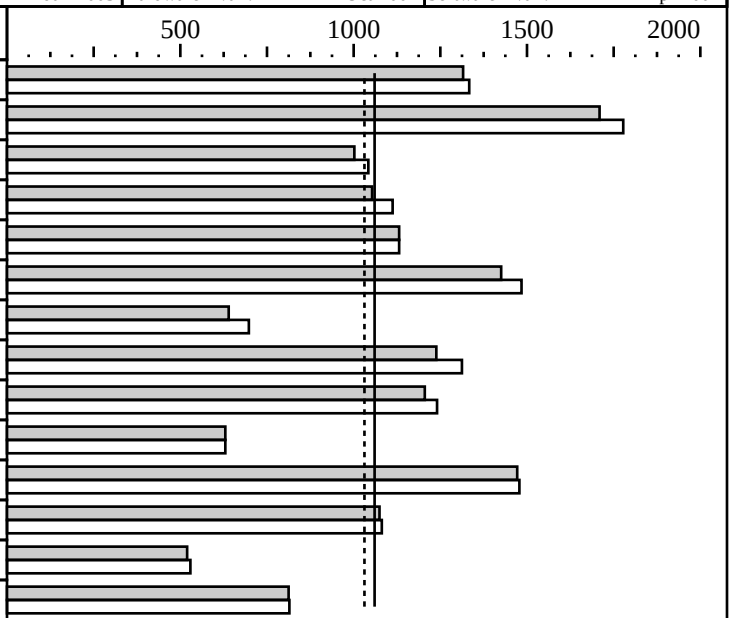
Intel D850EMVR motherboard (2.8 GHz, Pentium 4 processor)

SPECfp2000 = 1060

SPECfp_base2000 = 1031

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	122	1316	120	1333
171.swim	3100	181	1709	174	1778
172.mgrid	1800	180	1002	173	1042
173.applu	2100	199	1053	189	1112
177.mesa	1400	124	1131	124	1131
178.galgel	2900	203	1426	195	1484
179.art	2600	407	640	373	698
183.equake	1300	105	1238	99.1	1312
187.facerec	1900	158	1205	153	1241
188.ammp	2200	349	630	349	630
189.lucas	2000	136	1472	135	1478
191.fma3d	2100	195	1075	194	1081
200.sixtrack	1100	212	520	208	529
301.apsi	2600	320	812	319	815



Hardware

CPU:	Intel Pentium 4 Processor (2.8 GHz, 533 MHz bus)
CPU MHz:	2800
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:	512 MB (2 256 MB PC1066-32 RDRAM non-ECC modules)
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)

```
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 10/2002:
http://developer.intel.com/design/motherbd/mv2/index.htm
Motherboard ordering information is available at:
http://program.intel.com/shared/products/boards/d850emv2/index.htm
The system bus runs at 533 MHz
```