CFP2000 Result

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Intel Corporation

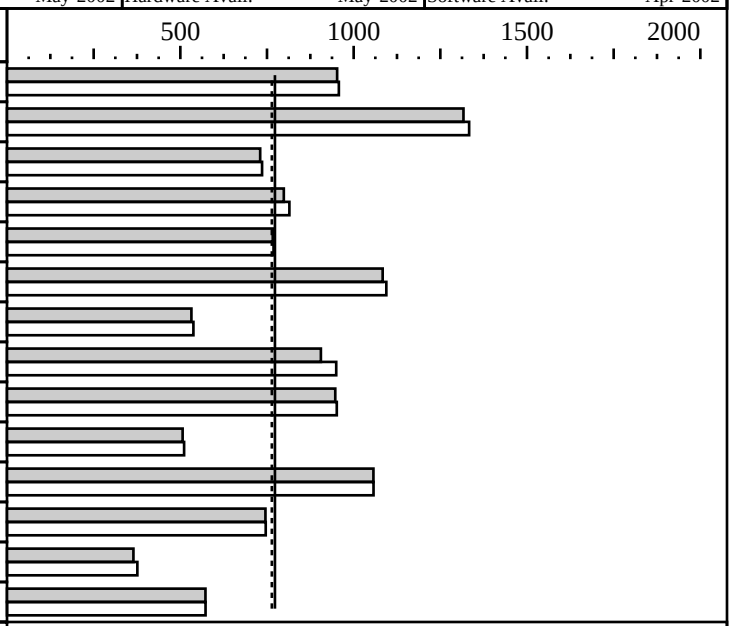
Intel D850EMV2 motherboard (2.0A GHz, Pentium 4 processor)

SPECfp2000 = 773

SPECfp_base2000 = 764

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	168	952	167	957
171.swim	3100	235	1317	233	1333
172.mgrid	1800	246	730	245	736
173.applu	2100	263	798	258	815
177.mesa	1400	183	767	182	769
178.galgel	2900	268	1084	265	1094
179.art	2600	489	532	484	538
183.equake	1300	144	905	137	950
187.facerec	1900	201	947	200	951
188.ammp	2200	434	507	431	511
189.lucas	2000	189	1057	189	1057
191.fma3d	2100	282	746	281	746
200.sixtrack	1100	302	365	293	376
301.apsi	2600	454	572	454	573



Hardware

CPU:	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:	None

Software

Operating System:	Windows XP Professional(Build 2600)
Compiler:	Intel C++ Compiler 6.0 Build 020321Z Intel Fortran Compiler 6.0 Build 020321Z 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 8/2002:
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 400 MHz
```