CFP2000 Result

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Intel Corporation

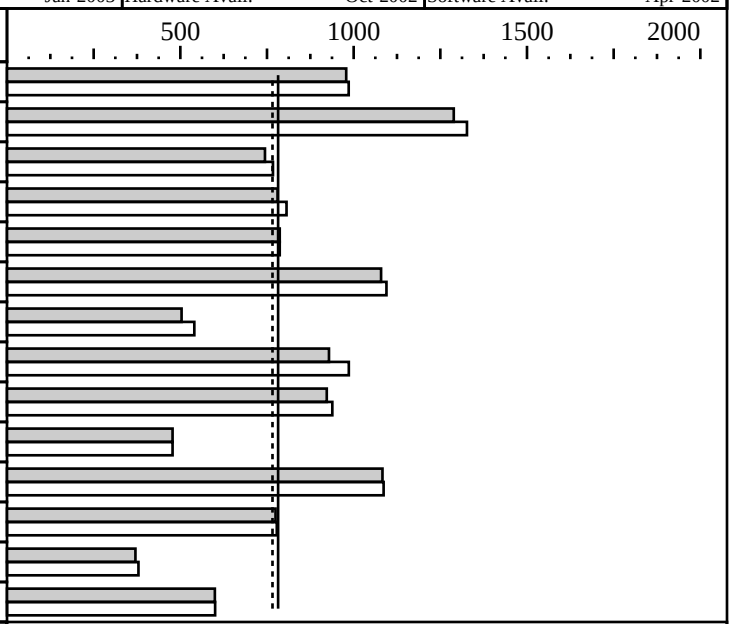
Intel D850EMVR motherboard (2.0A GHz, Pentium 4 processor)

SPECfp2000 = 782

SPECfp_base2000 = 766

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	164	979	162	986
171.swim	3100	241	1289	234	1327
172.mgrid	1800	242	744	235	767
173.applu	2100	269	781	260	806
177.mesa	1400	178	787	178	787
178.galgel	2900	269	1079	265	1095
179.art	2600	516	504	481	540
183.equake	1300	140	929	132	986
187.facerec	1900	206	922	202	938
188.ammp	2200	461	478	461	478
189.lucas	2000	185	1083	184	1086
191.fma3d	2100	271	775	270	778
200.sixtrack	1100	297	370	290	379
301.apsi	2600	434	600	433	600



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:	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 400 MHz
```