



CFP2000 Result

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Intel Corporation

Intel D850EMVR motherboard (2.26 GHz, Pentium 4 processor)

SPECfp2000 = 934

SPECfp_base2000 = 922

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | |
|--------------|----------------|--------------|------------|---------|-------|--|
| 168.wupwise | 1600 | 143 | 1121 | 142 | 1124 | |
| 171.swim | 3100 | 181 | 1714 | 179 | 1736 | |
| 172.mgrid | 1800 | 207 | 869 | 206 | 873 | |
| 173.applu | 2100 | 215 | 979 | 210 | 1000 | |
| 177.mesa | 1400 | 160 | 873 | 160 | 876 | |
| 178.galgel | 2900 | 218 | 1333 | 215 | 1350 | |
| 179.art | 2600 | 375 | 693 | 370 | 703 | |
| 183.quake | 1300 | 117 | 1113 | 110 | 1182 | |
| 187.facerec | 1900 | 173 | 1101 | 172 | 1105 | |
| 188.amp | 2200 | 361 | 610 | 358 | 615 | |
| 189.lucas | 2000 | 154 | 1300 | 154 | 1300 | |
| 191.fma3d | 2100 | 237 | 885 | 237 | 886 | |
| 200.sixtrack | 1100 | 267 | 413 | 257 | 427 | |
| 301.apsi | 2600 | 377 | 689 | 377 | 689 | |

Hardware

CPU: Pentium 4 processor (2.26 GHz, 533 MHz bus)
CPU MHz: 2266
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 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 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.quake: -Qipo -QxW -Oa -Qrcd +FDO
187.facerec: -Qipo -QxW -O3 +FDO
188.amp: -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 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