



CFP2000 Result

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Intel Corporation

Intel D850EMVR motherboard (3.06 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECfp_rate2000 = 13.7

SPECfp_rate_base2000 = 13.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	210	17.7	2	207	17.9
171.swim	2	365	19.7	2	358	20.1
172.mgrid	2	351	11.9	2	347	12.0
173.applu	2	361	13.5	2	363	13.4
177.mesa	2	219	14.8	2	213	15.3
178.galgel	2	306	22.0	2	305	22.1
179.art	2	770	7.83	2	768	7.85
183.quake	2	195	15.4	2	188	16.1
187.facerec	2	228	19.4	2	227	19.4
188.amp	2	569	8.98	2	558	9.15
189.lucas	2	314	14.8	2	315	14.7
191.fma3d	2	361	13.5	2	361	13.5
200.sixtrack	2	290	8.80	2	286	8.93
301.apsi	2	567	10.6	2	564	10.7

Hardware

CPU: Intel Pentium 4 Processor with Hyper-Threading Technology(3.06 GHz, 533 MHz bus)
CPU MHz: 3067
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
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