



CFP2000 Result

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Intel Corporation

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

SPECfp2000 = 1092

SPECfp_base2000 = 1059

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	115	1387	113	1411	
171.swim	3100	183	1695	175	1772	
172.mgrid	1800	180	1002	171	1055	
173.applu	2100	195	1076	184	1140	
177.mesa	1400	114	1224	114	1224	
178.galgel	2900	199	1460	192	1512	
179.art	2600	420	619	383	679	
183.quake	1300	103	1256	98.2	1324	
187.facerec	1900	153	1246	147	1296	
188.ammmp	2200	343	642	343	642	
189.lucas	2000	133	1499	133	1508	
191.fma3d	2100	188	1116	186	1130	
200.sixtrack	1100	195	563	191	575	
301.apsi	2600	309	842	308	845	

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: 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.quake: -Qipo -QxW -Oa -Qrcd +FDO
187.facerec: -Qipo -QxW -O3 +FDO
188.ammmp: 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