



CFP2000 Result

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Intel Corporation

Intel D850EMVR motherboard (2.8 GHz, Pentium 4 processor)

SPECfp2000 = 1048

SPECfp_base2000 = 1034

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	123	1298	123	1302	
171.swim	3100	175	1775	172	1800	
172.mgrid	1800	180	1000	179	1008	
173.applu	2100	191	1099	186	1127	
177.mesa	1400	130	1075	129	1085	
178.galgel	2900	199	1455	197	1469	
179.art	2600	389	668	375	693	
183.quake	1300	107	1210	103	1267	
187.facerec	1900	154	1231	153	1242	
188.ammmp	2200	329	669	326	675	
189.lucas	2000	135	1481	135	1482	
191.fma3d	2100	204	1031	204	1032	
200.sixtrack	1100	215	512	210	523	
301.apsi	2600	336	774	336	774	

Hardware

CPU: Pentium 4 processor (2.8 GHz, 533 MHz bus)
 CPU MHz: 2800
 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.ammmp: -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