



# CFP2000 Result

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## Intel Corporation

Intel D850EMV2 motherboard (1.7 GHz, Pentium 4 processor)

SPECfp2000 = 687

SPECfp\_base2000 = 677

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	192	833	191	836	
171.swim	3100	244	1272	240	1291	
172.mgrid	1800	278	647	276	651	
173.applu	2100	285	737	278	755	
177.mesa	1400	218	642	217	647	
178.galgel	2900	300	966	296	979	
179.art	2600	495	525	484	537	
183.quake	1300	154	842	146	893	
187.facerec	1900	247	768	246	771	
188.amp	2200	544	404	540	408	
189.lucas	2000	206	971	206	971	
191.fma3d	2100	319	659	318	660	
200.sixtrack	1100	355	310	344	320	
301.apsi	2600	519	501	517	503	

### Hardware

CPU: Pentium 4 processor (1.7 GHz, 400 MHz bus)  
 CPU MHz: 1700  
 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: 256KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 256 MB (2 128 MB PC800-40 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 8/2002:

<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