



# CFP2000 Result

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## Intel Corporation

Intel D850MD motherboard (2.0 GHz, Pentium 4 processor)

SPECfp2000 = 713

SPECfp\_base2000 = 702

SPEC license #: 13 Tested by: Intel Corporation Test date: Nov-2001 Hardware Avail: Aug-2001 Software Avail: Oct-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	167	960	166	967	
171.swim	3100	247	1255	244	1269	
172.mgrid	1800	260	693	252	715	
173.applu	2100	272	772	266	789	
177.mesa	1400	175	802	173	809	
178.galgel	2900	328	883	325	893	
179.art	2600	494	527	486	535	
183.quake	1300	168	772	162	804	
187.facerec	1900	231	823	229	830	
188.amp	2200	544	404	537	409	
189.lucas	2000	207	965	207	966	
191.fma3d	2100	335	626	334	628	
200.sixtrack	1100	302	365	290	380	
301.apsi	2600	503	517	503	517	

### Hardware

CPU: Pentium 4 processor (2.0 GHz, 400 MHz bus)  
 CPU MHz: 2000  
 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 RDRAM non-ECC modules)  
 Disk Subsystem: IBM DTLA-307030 ATA-100  
 Other Hardware: None

### Software

Operating System: Windows XP Professional(Build 2600)  
 Compiler: Intel C++ Compiler 5.0.1 Build 010525Z  
 Intel Fortran Compiler 5.0.1 Build 010525Z  
 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 1/2002:

<http://developer.intel.com/design/motherbd/md/index.htm>

Motherboard ordering information is available at:

<http://program.intel.com/shared/products/boards/D850MD/index.htm>

The system bus runs at 400 MHz