



# CFP2000 Result

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## Intel Corporation

Intel D850MD motherboard (2.4 GHz, Pentium 4 processor)

SPECfp2000 = 812

SPECfp\_base2000 = 806

SPEC license #: 13 Tested by: Intel Corporation Test date: Mar-2002 Hardware Avail: Apr-2002 Software Avail: Oct-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	144	1113	144	1115	
171.swim	3100	237	1307	237	1307	
172.mgrid	1800	235	766	234	769	
173.applu	2100	247	849	246	854	
177.mesa	1400	142	983	142	984	
178.galgel	2900	281	1032	280	1034	
179.art	2600	480	542	480	542	
183.quake	1300	158	822	153	852	
187.facerec	1900	182	1041	183	1041	
188.amp	2200	428	514	423	520	
189.lucas	2000	191	1048	191	1048	
191.fma3d	2100	284	740	284	740	
200.sixtrack	1100	252	436	242	454	
301.apsi	2600	413	630	413	630	

### Hardware

CPU: Pentium 4 processor (2.4 GHz, 400 MHz bus)  
 CPU MHz: 2400  
 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 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