



# CFP2000 Result

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## Intel Corporation

Intel D850EMV2 motherboard (2.4 GHz, Pentium 4 processor)

SPECfp2000 = 870

SPECfp\_base2000 = 858

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	145	1101	144	1109	
171.swim	3100	225	1379	222	1397	
172.mgrid	1800	222	811	220	819	
173.applu	2100	237	885	232	907	
177.mesa	1400	153	913	153	918	
178.galgel	2900	238	1218	235	1232	
179.art	2600	471	552	460	565	
183.earthquake	1300	131	995	125	1043	
187.facerec	1900	174	1091	173	1099	
188.ammmp	2200	388	567	385	571	
189.lucas	2000	168	1187	168	1187	
191.fma3d	2100	245	857	245	858	
200.sixtrack	1100	253	435	245	448	
301.apsi	2600	403	646	403	646	

### Hardware

CPU: Pentium 4 processor (2.4 GHz, 533 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 PC800-40 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.earthquake: -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 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 533 MHz