



# CFP2000 Result

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## Intel Corporation

Intel D815EEA2 motherboard (800 MHz, Pentium III processor)

SPECfp2000 = 280

SPECfp\_base2000 = 269

SPEC license #: 13 Tested by: Intel Corporation Test date: Aug-2001 Hardware Avail: Aug-2001 Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	457	350	457	350	
171.swim	3100	917	338	919	337	
172.mgrid	1800	884	204	837	215	
173.applu	2100	889	236	890	236	
177.mesa	1400	326	430	330	424	
178.galgel	2900	1067	272	989	293	
179.art	2600	845	308	778	334	
183.earthquake	1300	560	232	460	282	
187.facerec	1900	708	268	638	298	
188.amp	2200	817	269	796	276	
189.lucas	2000	691	290	691	289	
191.fma3d	2100	817	257	817	257	
200.sixtrack	1100	808	136	789	139	
301.apsi	2600	869	299	836	311	

### Hardware

CPU: Pentium III processor (800 MHz, 133 MHz bus)  
CPU MHz: 800  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 16KBI + 16KBD on chip  
Secondary Cache: 256KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 128 MB PC133 CL2 SDRAM (2 \* 128 MB sticks)  
Disk Subsystem: IBM DTLA-307030 ATA-100  
Other Hardware: None

### Software

Operating System: Windows 2000 (Build 2195, SP1)  
Compiler: Intel C++ Compiler 5.0 for Windows Build 001120  
Intel Fortran Compiler 5.0 for Windows Build 001027  
Microsoft Visual C++ 6.0 (for libraries)  
MicroQuill SmartHeap V5.0  
File System: FAT32  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning: -QxK -Qipo -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxK -O3 +FDO
171.swim: -Qipo -QxK -O3 +FDO
172.mgrid: -Qipo -QaxK -O3 +FDO
173.applu: -Qipo -QxK -O3 +FDO
177.mesa: -Qipo -QxK -O3 -Oa +FDO shlw32M.lib
178.galgel: -Qipo -QxK -O3 +FDO shlw32M.lib
178.galgel: LIBS=libIEPCF90.lib libintrins.lib libF90.lib
libqwin.lib libm.lib shlw32M.lib LIBC.lib
libirc.lib OLDNAMES.lib
179.art: -Qipo -QxK -O3 -Oa +FDO shlw32M.lib
183.earthquake: -Qipo -QxK -Qrcd -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxK -O3 +FDO shlw32M.lib
```



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## Notes/Tuning Information (Continued)

```

187.facerec: LIBS=libIEPCF90.lib libintrins.lib libF90.lib
             libqwin.lib libm.lib shlW32M.lib LIBC.lib
             libirc.lib OLDNAMES.lib
188.ammp:    -Qipo -QxK -O3 -Oa +FDO
189.lucas:   -Qipo -QxK -O3 +FDO shlW32M.lib
189.lucas:   LIBS=libIEPCF90.lib libintrins.lib libF90.lib
             libqwin.lib libm.lib shlW32M.lib LIBC.lib
             libirc.lib OLDNAMES.lib
191.fma3d:   -Qipo -QxK -O3 +FDO
200.sixtrack: -Qipo -QxK +FDO
301.apsi:    -Qipo -QxK +FDO

```

Tested systems can be used with Shin-G ATX case, Nspire MAV-250P power supply.  
Product information as of 08/2001:

<http://developer.intel.com/design/motherbd/ea2/index.htm>

Motherboard is available through Intel OEM Distribution Channel.

See <http://channel.intel.com/> for more information

The system bus runs at 133 MHz