



# CFP2000 Result

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## Intel Corporation

Intel D815EEA2 motherboard (1.0B GHz, Pentium III processor)

SPECfp2000 = 310

SPECfp\_base2000 = 297

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           | 399          | 401        | 399     | 401   |  |
| 171.swim       | 3100           | 929          | 334        | 932     | 333   |  |
| 172.mgrid      | 1800           | 839          | 215        | 797     | 226   |  |
| 173.applu      | 2100           | 838          | 251        | 839     | 250   |  |
| 177.mesa       | 1400           | 266          | 527        | 269     | 521   |  |
| 178.galgel     | 2900           | 1006         | 288        | 938     | 309   |  |
| 179.art        | 2600           | 833          | 312        | 770     | 338   |  |
| 183.earthquake | 1300           | 528          | 246        | 436     | 298   |  |
| 187.facerec    | 1900           | 616          | 309        | 551     | 345   |  |
| 188.amp        | 2200           | 720          | 306        | 702     | 313   |  |
| 189.lucas      | 2000           | 622          | 322        | 621     | 322   |  |
| 191.fma3d      | 2100           | 724          | 290        | 724     | 290   |  |
| 200.sixtrack   | 1100           | 652          | 169        | 637     | 173   |  |
| 301.apsi       | 2600           | 763          | 341        | 734     | 354   |  |

### Hardware

CPU: Pentium III processor (1.0B GHz, 133 MHz bus)  
 CPU MHz: 1000  
 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