



# CFP2000 Result

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## Intel Corporation

Intel D945GPM motherboard( 3.0 GHz, Intel (R) Pentium (TM) D processor 930)

SPECfp\_rate2000 = 31.3

SPECfp\_rate\_base2000 = 31.3

SPEC license #: 13 Tested by: Intel Corporation Test date: Jul-2006 Hardware Avail: Jun-2006 Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	65.0	57.1	2	65.1	57.0
171.swim	2	253	28.5	2	253	28.5
172.mgrid	2	170	24.6	2	170	24.5
173.applu	2	192	25.3	2	192	25.3
177.mesa	2	118	27.6	2	118	27.6
178.galgel	2	103	65.6	2	103	65.6
179.art	2	80.9	74.5	2	80.9	74.5
183.quake	2	76.0	39.7	2	75.9	39.7
187.facerec	2	129	34.2	2	129	34.2
188.amp	2	233	21.9	2	231	22.1
189.lucas	2	176	26.3	2	176	26.3
191.fma3d	2	185	26.4	2	185	26.4
200.sixtrack	2	201	12.7	2	202	12.6
301.apsi	2	250	24.1	2	250	24.1

### Hardware

CPU: Intel (R) Pentium (TM) D processor 930( 3.0 GHz, 800 MHz bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12k micro-ops I + 16KBD on chip per core  
Secondary Cache: 2MB(I+D) on chip per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 2 GB (2 1GB Micron DDR2 667 CL5-5-5 DIMMs)  
Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)  
Other Hardware: ATI Radeon X850 XT PCI express graphics card

### Software

Operating System: Windows XP Professional SP2  
Compiler: Intel C++ and Fortran Compiler 9.1 for 32-bit applications  
Build 20060323Z Package ID: W\_FC\_P\_9.1.020  
Microsoft Visual Studio 2005(for libraries)  
SmartHeap Library Version 8.0 from <http://www.microquill.com/>  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning for Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs: -fast +FDO shlW32M-80.lib
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -fast -Qansi_alias +FDO
171.swim: -fast -Qansi_alias +FDO
172.mgrid: -fast -Qansi_alias +FDO
173.applu: basepeak=yes
177.mesa: basepeak=yes
178.galgel: -fast -Qansi_alias +FDO
179.art: basepeak=yes
183.quake: -QxP -Oa -Qrcd -Qipo +FDO shlW32M-80.lib
187.facerec: -fast -Qunroll1 -Qscalar_rep+ +FDO
188.amp: -fast -Oa +FDO shlW32M-80.lib
189.lucas: -fast -Qprefetch- +FDO
```



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## Notes/Tuning Information (Continued)

191.fma3d: basepeak=yes

200.sixtrack: -Qipo -QxP +FDO

301.apsi: -fast +FDO

Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B

Product description located as of 07/2006:

<http://www.intel.com/products/motherboard/d945gpm/index.htm>

The system bus runs at 800 MHz