



# CFP2000 Result

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## Intel Corporation

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

SPECfp2000 = 1754

SPECfp\_base2000 = 1750

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	47.8	3344	48.3	3315	
171.swim	3100	133	2338	132	2344	
172.mgrid	1800	135	1329	137	1318	
173.applu	2100	134	1564	134	1564	
177.mesa	1400	109	1279	109	1279	
178.galgel	2900	91.9	3156	92.6	3131	
179.art	2600	60.9	4272	60.9	4272	
183.quake	1300	50.6	2568	48.7	2671	
187.facerec	1900	107	1775	108	1761	
188.amp	2200	204	1079	202	1087	
189.lucas	2000	105	1912	104	1914	
191.fma3d	2100	150	1403	150	1403	
200.sixtrack	1100	187	587	186	591	
301.apsi	2600	223	1167	223	1168	

### 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