



# CFP2000 Result

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## Intel(R) Corporation

Intel(R) D945GPM motherboard( 3.6 GHz, Intel(R) Pentium(TM) D processor 960)

SPECfp2000 = 2015

SPECfp\_base2000 = 2009

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	43.4	3687	43.3	3693	
171.swim	3100	126	2454	126	2458	
172.mgrid	1800	116	1553	116	1555	
173.applu	2100	118	1773	118	1773	
177.mesa	1400	90.0	1556	90.0	1556	
178.galgel	2900	77.7	3732	77.7	3732	
179.art	2600	53.5	4857	53.5	4857	
183.earthquake	1300	45.1	2882	43.9	2960	
187.facerec	1900	92.7	2051	92.4	2056	
188.amp	2200	176	1247	175	1257	
189.lucas	2000	94.2	2123	94.2	2123	
191.fma3d	2100	130	1613	130	1613	
200.sixtrack	1100	153	717	153	717	
301.apsi	2600	190	1370	190	1370	

### Hardware

CPU: Intel(R) Pentium(TM) D processor 960( 3.6 GHz, 800 MHz bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 32KBI + 32KBD per core  
Secondary Cache: 4MB(I+D) shared, per chip  
L3 Cache: None  
Other Cache: None  
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 X1900 XTX 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.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.earthquake: -QxP -Oa -Qrcd -Qipo +FDO shlW32M.lib
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -fast -Oa +FDO shlW32M.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, Antec NeoPower 480W power supply

Product description located as of 07/2006

<http://www.intel.com/products/motherboard/dg965wh/index.htm>

The system bus runs at 800 MHz