



# CFP2000 Result

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## Intel(R) Corporation

Intel(R) DG965WH motherboard( 2.8 GHz, Intel(R) Pentium(TM) D processor 920)

SPECfp\_rate2000 = 35.7

SPECfp\_rate\_base2000 = 35.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	54.6	68.0	2	54.6	67.9
171.swim	2	195	36.8	2	195	36.9
172.mgrid	2	152	27.4	2	152	27.5
173.applu	2	163	29.9	2	163	29.9
177.mesa	2	116	28.1	2	116	28.1
178.galgel	2	99.7	67.5	2	99.6	67.6
179.art	2	68.4	88.2	2	68.4	88.2
183.quake	2	61.4	49.1	2	60.5	49.9
187.facerec	2	115	38.3	2	115	38.3
188.amp	2	214	23.8	2	213	23.9
189.lucas	2	132	35.1	2	132	35.1
191.fma3d	2	165	29.5	2	165	29.5
200.sixtrack	2	198	12.9	2	198	12.9
301.apsi	2	231	26.1	2	231	26.1

### Hardware

CPU: Intel(R) Pentium(TM) D processor 920( 2.8 GHz, 800 MHz bus)  
CPU MHz: 2800  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12K micro-ops1 + 16KBD per core, on chip  
Secondary Cache: 2 MB(I+D) per core, on chip  
L3 Cache: None  
Other Cache: None  
Memory: 2 GB (2 1GB Micron MT16HTF12864AY-80ED4 DDR2 800, CL5)  
Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)  
Other Hardware: SoundBlaster Live! PCI card

### Software

Operating System: Windows XP Professional SP2  
Compiler: Intel C++ and Fortran Compiler 9.1 for 32-bit applications  
Build 20060323Z  
Package IDs: W\_CC\_P\_9.1.020 and 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 177.mesa: -fast +FDO shlw32M.lib
Base tuning for 179.art: -fast +FDO shlw32M.lib
Base tuning for 183.quake: -fast +FDO shlw32M.lib
Base tuning for 188.amp: -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.quake: -QxP -Oa -Qrcd -Qipo +FDO shlw32M.lib
```



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## Notes/Tuning Information (Continued)

```
187.facerec: -fast -Qunroll11 -Qscalar_rep- +FDO
188.amp: -fast -Oa +FDO shlw32M.lib
189.lucas: -fast -Qprefetch- +FDO
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 1/2007:

<http://www.intel.com/products/motherboard/DG965WH/index.htm>

The system bus runs at 1066 MHz