



# CFP2000 Result

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## Intel(R) Corporation

Intel(R) D975XBX2 motherboard( 2.93 GHz, Intel(R) Core(TM) 2 Extreme processor X6800)

SPECfp2000 = 2910

SPECfp\_base2000 = 2909

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	35.7	4483	35.7	4480
171.swim	3100	106	2929	106	2926
172.mgrid	1800	98.4	1830	98.2	1833
173.applu	2100	93.6	2243	93.6	2243
177.mesa	1400	51.6	2713	51.6	2713
178.galgel	2900	41.8	6938	41.8	6933
179.art	2600	25.8	10079	25.8	10079
183.quake	1300	35.0	3714	34.5	3763
187.facerec	1900	63.5	2991	63.6	2986
188.amp	2200	106	2077	105	2093
189.lucas	2000	71.5	2796	71.3	2803
191.fma3d	2100	99.8	2103	99.8	2103
200.sixtrack	1100	95.5	1152	96.8	1137
301.apsi	2600	134	1940	134	1937

### Hardware

CPU: Intel(R) Core(TM) 2 Extreme processor X6800( 2.93 GHz, 1066 MHz bus)  
CPU MHz: 2933  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 32KBI + 32KBD per core, on chip  
Secondary Cache: 4 MB(I+D) per chip, on chip (shared)  
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: nVidia Quad SLI GeForce 7950 GX2 PCI Express graphics card

### Software

Operating System: Windows XP Professional SP2  
Compiler: Intel C++ Compiler 9.1 for 32-bit applications  
Build 20060323Z Package ID: W\_CC\_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, Antec NeoPower 480W power supply

Product description located as of 11/2006

<http://www.intel.com/products/motherboard/D975XBX2/index.htm>

shlw32m-80.lib is the V8.0 SmartHeap library renamed to co-exist with older versions

The system bus runs at 1066 MHz