# CFP2000 Result

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## Intel(R) Corporation

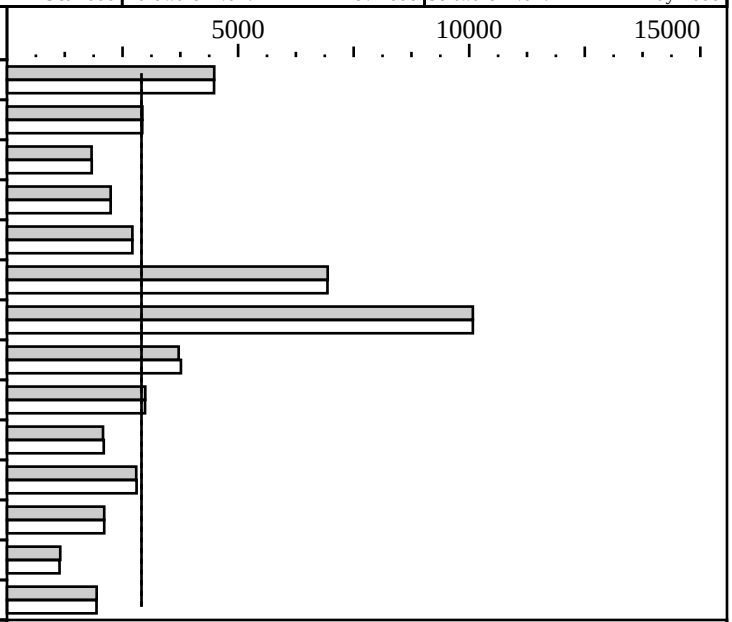
Intel(R) D975XBX2 motherboard( 2.93 GHz, Intel(R) Core(TM) 2 Extreme processor X6800)

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.equake | 1300 | 35.0 | 3714 | 34.5 | 3763 |
| 187.facerec | 1900 | 63.5 | 2991 | 63.6 | 2986 |
| 188.ammp | 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<br>Build 20060323Z Package ID: W_CC_P_9.1.020<br>Microsoft Visual Studio 2005(for libraries)<br>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.equake:   -QxP -Oa -Qrcd -Qipo  +FDO  shlW32M-80.lib
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -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
```