



# CFP2000 Result

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## Intel Corporation

Intel D925XCV (AA-400) motherboard (3.6 GHz, Pentium 4 Processor with HT Technology)

SPECfp2000 = 1630

SPECfp\_base2000 = 1627

SPEC license #: 13 Tested by: Intel Corporation Test date: Jun-2004 Hardware Avail: Jul-2004 Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	64.9	2465	65.0	2462	[Bar chart showing ratio 2462]			
171.swim	3100	127	2444	127	2440	[Bar chart showing ratio 2440]			
172.mgrid	1800	125	1438	125	1435	[Bar chart showing ratio 1435]			
173.applu	2100	135	1554	131	1604	[Bar chart showing ratio 1604]			
177.mesa	1400	88.5	1582	88.5	1582	[Bar chart showing ratio 1582]			
178.galgel	2900	112	2596	112	2596	[Bar chart showing ratio 2596]			
179.art	2600	188	1383	190	1365	[Bar chart showing ratio 1365]			
183.quake	1300	69.7	1865	70.0	1858	[Bar chart showing ratio 1858]			
187.facerec	1900	91.0	2087	91.0	2087	[Bar chart showing ratio 2087]			
188.ammmp	2200	199	1106	199	1108	[Bar chart showing ratio 1108]			
189.lucas	2000	88.6	2256	88.7	2256	[Bar chart showing ratio 2256]			
191.fma3d	2100	138	1521	138	1521	[Bar chart showing ratio 1521]			
200.sixtrack	1100	170	645	168	654	[Bar chart showing ratio 654]			
301.apsi	2600	208	1252	208	1252	[Bar chart showing ratio 1252]			

### Hardware

CPU: Intel Pentium 4 Processor with HT Technology (3.6 GHz, 800 MHz bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip with HT Technology enabled  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12k micro-ops I + 16KBD on chip  
Secondary Cache: 1MB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 1 GB (2x512MB PC2-4300 DDRII 533 CL4-4-4 Micron MT16HTF6464AG-53EB2)  
Disk Subsystem: Seagate ST3160023AS 160 GB Serial ATA (7200 RPM, 8MB cache)  
Other Hardware: None

### Software

Operating System: Windows XP Professional Service Pack 1a  
Compiler: Intel C++ and Fortran Compiler 8.0 Build 20031017Z  
Microsoft Visual Studio .Net 7.0(for libraries)  
MicroQuill SmartHeap library V6.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use (-QxP not used in PASS1)
Base tuning: -QxP -fast -Qansi_alias +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -QxP -fast -Qansi_alias +FDO
171.swim: -QxP -fast -Qansi_alias +FDO
172.mgrid: -QxP -fast -Qansi_alias +FDO
173.applu: -QxP -fast -Qscalar_rep- -Qauto +FDO
177.mesa: -QxP -fast -Oa -Qscalar_rep- +FDO
178.galgel: -QxP -fast -Qansi_alias +FDO
179.art: -Oa -Qipo -Qunroll4 -Zp4
183.quake: -QxP -Oa -Qrcd -Qipo +FDO
187.facerec: -QxP -fast -Qunroll11 -Qscalar_rep- +FDO
188.ammmp: -Oa -QxP
189.lucas: -QxP -fast -Qprefetch- +FDO
191.fma3d: basepeak=yes
```



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## Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxP +FDO

301.apsi: -QxP -fast +FDO

Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1

Product description located as of 6/2004:

<http://developer.intel.com/design/motherbd/bc/index.htm>

Motherboard is available through Intel OEM Distribution Channel. See

[http://www.intel.com/cd/channel/reseller/asm-na/eng/products/box\\_desktop\\_boards/intel\\_boards/p4\\_boards/p4\\_dsk\\_board\\_d925xbc/index.htm](http://www.intel.com/cd/channel/reseller/asm-na/eng/products/box_desktop_boards/intel_boards/p4_boards/p4_dsk_board_d925xbc/index.htm)

The system bus runs at 800 MHz

shlw32M.lib is the SmartHeap library V6.0 from <http://www.microquill.com/smartheap/index.html>

An PCIe-16 video card is installed and HT Technology is enabled