



CFP2000 Result

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Intel Corporation

Intel D925XECV2 motherboard(3.80 GHz, Intel Pentium 4 processor 570J)

SPECfp2000 = 1842

SPECfp_base2000 = 1839

SPEC license #: 13 Tested by: Intel Corporation Test date: Oct-2004 Hardware Avail: Nov-2004 Software Avail: Sep-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	56.2	2847	56.2	2848	[Bar chart showing ratio 2848]			
171.swim	3100	122	2534	122	2533	[Bar chart showing ratio 2533]			
172.mgrid	1800	108	1668	108	1668	[Bar chart showing ratio 1668]			
173.applu	2100	126	1660	127	1658	[Bar chart showing ratio 1658]			
177.mesa	1400	82.6	1695	82.6	1695	[Bar chart showing ratio 1695]			
178.galgel	2900	106	2748	106	2747	[Bar chart showing ratio 2747]			
179.art	2600	80.5	3229	80.5	3229	[Bar chart showing ratio 3229]			
183.earthquake	1300	61.4	2117	62.9	2066	[Bar chart showing ratio 2066]			
187.facerec	1900	93.6	2030	93.6	2030	[Bar chart showing ratio 2030]			
188.amp	2200	198	1112	192	1148	[Bar chart showing ratio 1148]			
189.lucas	2000	88.4	2262	88.4	2262	[Bar chart showing ratio 2262]			
191.fma3d	2100	128	1638	128	1638	[Bar chart showing ratio 1638]			
200.sixtrack	1100	162	681	159	690	[Bar chart showing ratio 690]			
301.apsi	2600	186	1400	186	1401	[Bar chart showing ratio 1401]			

Hardware

CPU: Intel Pentium 4 processor 570J (3.80 GHz, 800 MHz bus)
CPU MHz: 3800
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)
Disk Subsystem: Seagate ST3160023AS 160 GB Serial ATA (7200 RPM, 8MB cache)
Other Hardware: N/A

Software

Operating System: Windows XP Professional SP2
Compiler: Intel C++ and Fortran Compiler 8.1 Build 20040802Z
Microsoft Visual Studio .Net 2002(for libraries)
SmartHeap Library Version 6.0 from <http://www.microquill.com/>
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning: -fast -Qansi_alias +FDO
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: -fast -Qscalar_rep- -Qauto +FDO
177.mesa: basepeak=yes
178.galgel: -fast -Qansi_alias +FDO
179.art: basepeak=yes
183.earthquake: -QxP -Oa -Qrcd -Qipo +FDO
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -Oa -QxP
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 power supply NeoPower 480

Product description located as of Nov-2004:

http://www.intel.com/design/motherbd/cv2/index.htm?iid=ipp_browse+motherbd_d925xecv2&

Motherboard is available through Intel Reseller Channel:

http://www.intel.com/cd/channel/reseller/asm-na/eng/products/box_desktop_boards/intel_boards/p4_boards/p4_dsk_board_D925XECV2/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>

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

Memory DIMMs used: Micron MT16HTF6464AG-53EB2