CFP2000 Result

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Intel Corporation

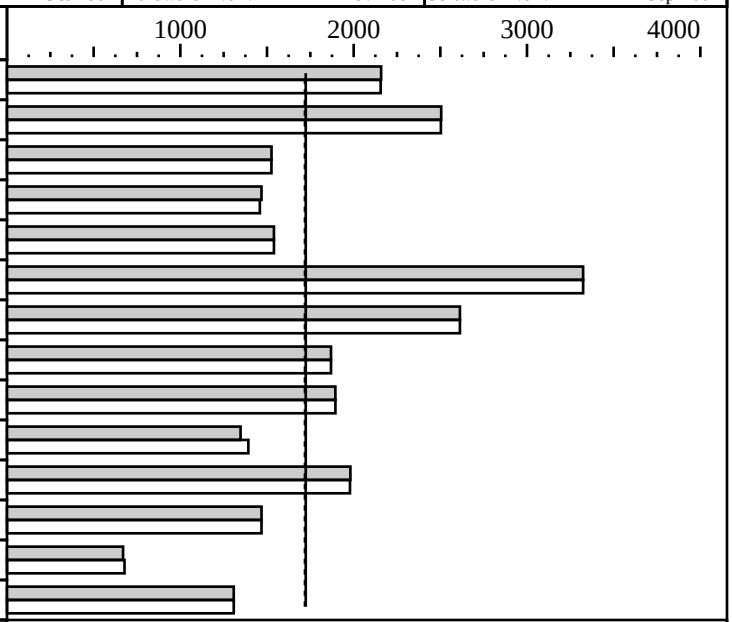
Intel D925XECV2 motherboard(3.46 GHz, Intel Pentium 4 processor with HT Technology Extreme Edition)

SPECfp2000 = 1724

SPECfp_base2000 = 1719

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
168.wupwise	1600	74.1	2159	74.2	2156
171.swim	3100	124	2505	124	2503
172.mgrid	1800	118	1526	118	1526
173.applu	2100	143	1468	144	1459
177.mesa	1400	90.9	1540	90.9	1540
178.galgel	2900	87.3	3324	87.3	3324
179.art	2600	99.5	2613	99.5	2613
183.equake	1300	69.5	1869	69.5	1869
187.facerec	1900	100	1894	100	1895
188.ammp	2200	163	1347	158	1392
189.lucas	2000	101	1981	101	1979
191.fma3d	2100	143	1468	143	1468
200.sixtrack	1100	164	670	162	678
301.apsi	2600	199	1308	199	1308



Hardware

CPU:	Intel Pentium 4 processor with HT Technology Extreme Edition(3.46 GHz, 1066 MHz bus)
CPU MHz:	3466
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 + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2MB(I+D) on chip
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:  -O3 -Qipo -QxN +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -O3 -Qipo -QxN -Qansi_alias +FDO
171.swim:     -O3 -Qipo -QxN -Qansi_alias +FDO
172.mgrid:    -O3 -Qipo -QxN -Qansi_alias +FDO
173.applu:  -O3 -Qipo -QxN -Qscalar_rep- -Qauto  +FDO
177.mesa:   basepeak=yes
178.galgel:   -O3 -Qipo -QxN -Qansi_alias +FDO
179.art:      basepeak=yes
183.equake:   basepeak=yes
187.facerec:  -O3 -Qipo -QxN -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxN
189.lucas:    -O3 -Qipo -QxN -Qprefetch- +FDO
```

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Notes/Tuning Information (Continued)

191.fma3d: basepeak=yes
200.sixtrack: -Qipo -QxN +FDO
301.apsi: -O3 -Qipo -QxN +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/asmo-na/eng/products/box_desktop_boards/intel_boards/p4_boards/p4_dsk_board_D925XECV2/index.htm
The system bus runs at 1066 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