CFP2000 Result

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Intel Corporation

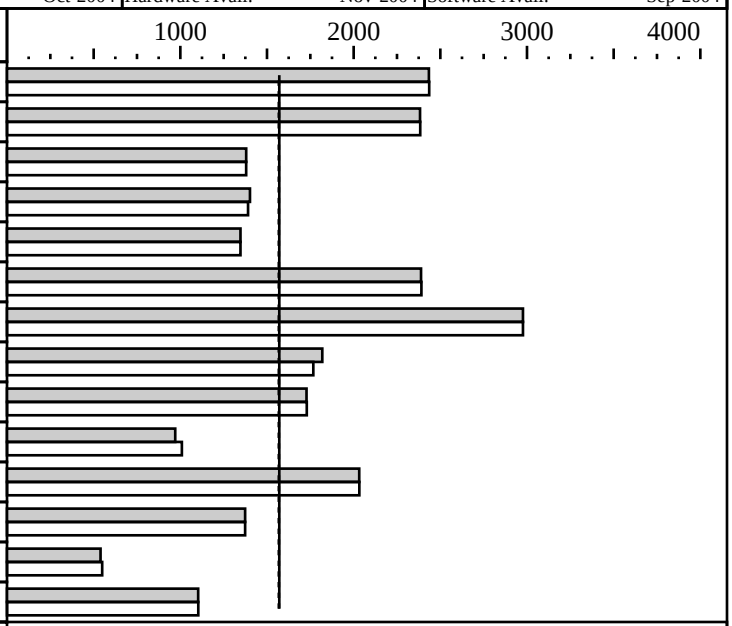
Intel D925XECV2 motherboard(3.0E GHz, Intel Pentium 4 processor 530)

SPECfp2000 = 1571

SPECfp_base2000 = 1568

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	65.7	2434	65.7	2436
171.swim	3100	130	2383	130	2384
172.mgrid	1800	130	1380	130	1380
173.applu	2100	150	1402	151	1391
177.mesa	1400	104	1347	104	1347
178.galgel	2900	121	2389	121	2391
179.art	2600	87.3	2977	87.3	2977
183.equake	1300	71.5	1819	73.6	1767
187.facerec	1900	110	1728	110	1729
188.ammp	2200	227	971	218	1009
189.lucas	2000	98.4	2032	98.4	2033
191.fma3d	2100	153	1374	153	1374
200.sixtrack	1100	204	540	200	549
301.apsi	2600	236	1103	236	1104



Hardware

CPU:	Intel Pentium 4 processor 530 (3.0E GHz, 800 MHz bus)
CPU MHz:	3000
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.equake:   -QxP -Oa -Qrcd -Qipo +FDO
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -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/asmo-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