CFP2000 Result

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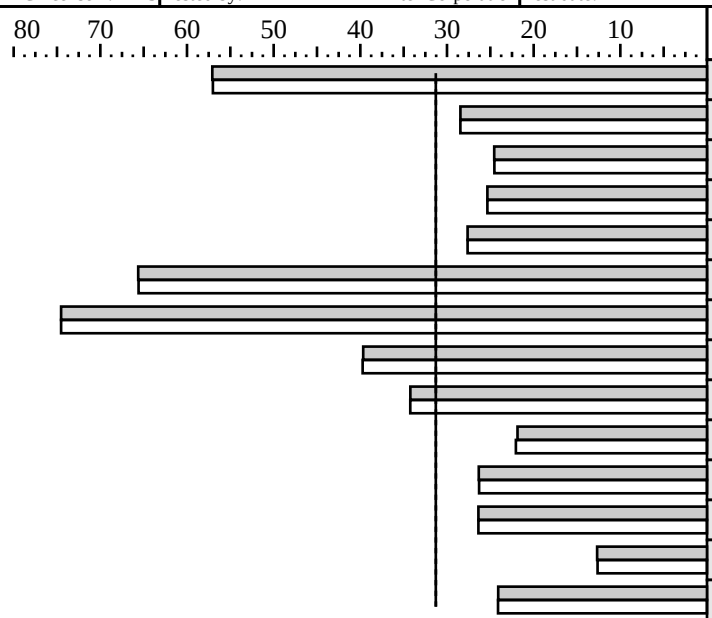
Intel Corporation

Intel D945GPM motherboard(3.0 GHz, Intel (R) Pentium (TM) D processor 930)

SPECfp_rate2000 = 31.3

SPECfp_rate_base2000 = 31.3

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jul-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	65.0	57.1	2	65.1	57.0
171.swim	2	253	28.5	2	253	28.5
172.mgrid	2	170	24.6	2	170	24.5
173.applu	2	192	25.3	2	192	25.3
177.mesa	2	118	27.6	2	118	27.6
178.galgel	2	103	65.6	2	103	65.6
179.art	2	80.9	74.5	2	80.9	74.5
183.equake	2	76.0	39.7	2	75.9	39.7
187.facerec	2	129	34.2	2	129	34.2
188.ammp	2	233	21.9	2	231	22.1
189.lucas	2	176	26.3	2	176	26.3
191.fma3d	2	185	26.4	2	185	26.4
200.sixtrack	2	201	12.7	2	202	12.6
301.apsi	2	250	24.1	2	250	24.1

Hardware

CPU:	Intel (R) Pentium (TM) D processor 930(3.0 GHz, 800 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip per core
Secondary Cache:	2MB(I+D) on chip per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2 GB (2 1GB Micron DDR2 667 CL5-5-5 DIMMs)
Disk Subsystem:	Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware:	ATI Radeon X850 XT PCI express graphics card

Software

Operating System:	Windows XP Professional SP2
Compiler:	Intel C++ and Fortran Compiler 9.1 for 32-bit applications Build 20060323Z Package ID: W_FC_P_9.1.020 Microsoft Visual Studio 2005(for libraries) 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, Delta Inc. power supply PS-300GB-1 B
Product description located as of 07/2006:
http://www.intel.com/products/motherboard/d945gpm/index.htm
The system bus runs at 800 MHz
```