CFP2000 Result

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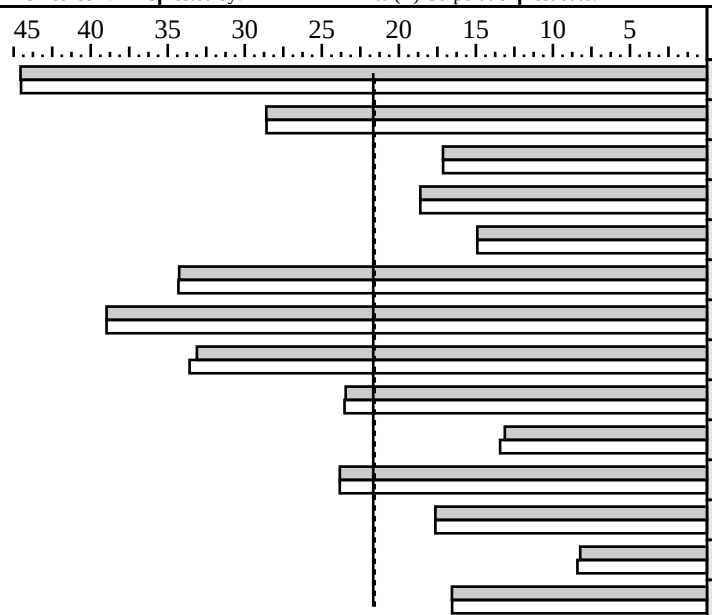
Intel(R) Corporation

Intel D945GPM motherboard(3.0 GHz, Intel (R) Pentium (TM) 4 processor 631)

SPECfp_rate2000 = 21.7

SPECfp_rate_base2000 = 21.6

SPEC license #: 13 | Tested by: Intel(R) 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	83.3	44.6	2	83.4	44.5
171.swim	2	251	28.6	2	252	28.6
172.mgrid	2	244	17.1	2	244	17.1
173.applu	2	262	18.6	2	262	18.6
177.mesa	2	218	14.9	2	218	14.9
178.galgel	2	196	34.3	2	196	34.3
179.art	2	155	39.0	2	155	39.0
183.equake	2	91.1	33.1	2	89.8	33.6
187.facerec	2	188	23.5	2	187	23.5
188.ammp	2	389	13.1	2	380	13.4
189.lucas	2	195	23.8	2	195	23.8
191.fma3d	2	276	17.6	2	276	17.6
200.sixtrack	2	310	8.23	2	303	8.41
301.apsi	2	364	16.6	2	365	16.5

Hardware

CPU:	Intel (R) Pentium (TM) 4 processor 631(3.0 GHz, 800 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	2MB(I+D) on chip
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
```