CFP2000 Result

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Intel(R) Corporation

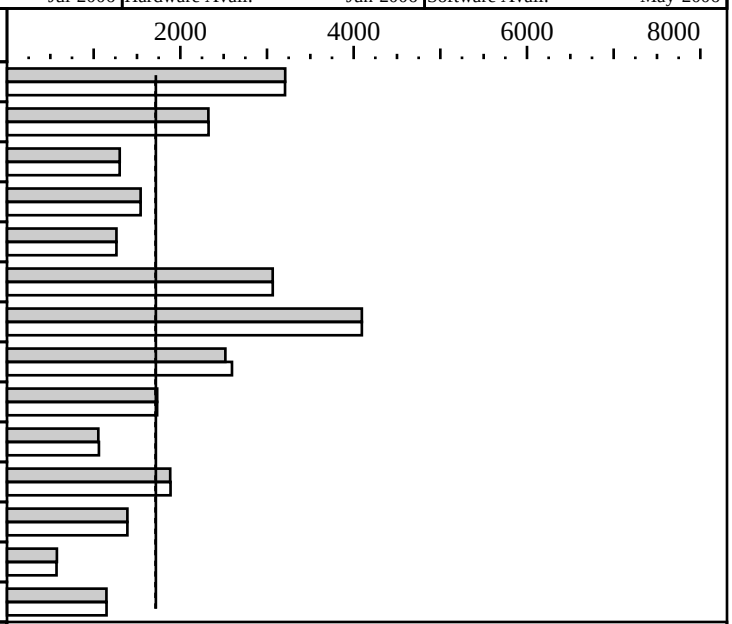
Intel D945GPM motherboard(3.0 GHz, Intel (R) Pentium (TM) 4 processor 631)

SPECfp2000 = 1718

SPECfp_base2000 = 1714

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	49.8	3210	49.9	3208
171.swim	3100	133	2324	133	2326
172.mgrid	1800	138	1301	138	1300
173.applu	2100	136	1542	136	1542
177.mesa	1400	111	1263	111	1263
178.galgel	2900	94.6	3066	94.6	3066
179.art	2600	63.5	4094	63.5	4094
183.equake	1300	51.6	2520	50.1	2596
187.facerec	1900	110	1733	110	1732
188.ammp	2200	209	1054	207	1061
189.lucas	2000	106	1883	106	1887
191.fma3d	2100	151	1389	151	1389
200.sixtrack	1100	191	576	192	572
301.apsi	2600	227	1147	226	1149



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
```