



CFP2000 Result

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Intel(R) Corporation

Intel(R) D945GPM motherboard(3.8 GHz, Intel(R) Pentium(TM) 4 processor 670)

SPECfp2000 = 2037

SPECfp_base2000 = 2034

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	43.6	3673	43.5	3674	
171.swim	3100	126	2464	126	2465	
172.mgrid	1800	113	1590	113	1590	
173.applu	2100	117	1796	117	1796	
177.mesa	1400	86.9	1610	86.9	1610	
178.galgel	2900	76.8	3775	76.8	3775	
179.art	2600	55.3	4705	55.3	4705	
183.quake	1300	45.0	2891	43.9	2959	
187.facerec	1900	91.4	2079	91.4	2079	
188.amp	2200	174	1264	173	1273	
189.lucas	2000	92.8	2156	92.6	2161	
191.fma3d	2100	128	1646	128	1646	
200.sixtrack	1100	149	737	150	731	
301.apsi	2600	184	1409	185	1409	

Hardware

CPU: Intel(R) Pentium(TM) 4 processor 670(3.8 GHz, 800 MHz bus)
CPU MHz: 3800
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-opsI + 16KBD per core, on chip
Secondary Cache: 2MB(I+D) per chip, on chip
L3 Cache: None
Other Cache: None
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.quake: -QxP -Oa -Qrcd -Qipo +FDO shlW32M-80.lib
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -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, Antec NeoPower 480W power supply

Product description located as of 07/2006

<http://www.intel.com/products/motherboard/dg965wh/index.htm>

The system bus runs at 800 MHz