## Intel(R) Corporation

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

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

### SPECfp2000 = 2037
### SPECfp_base2000 = 2034

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Reference Time</th>
<th>Base Runtime</th>
<th>Base Ratio</th>
<th>Runtime</th>
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### Notes/Tuning Information

- **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

### 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

### 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

- **Base tuning for Fortran programs:** -fast -Qansi_alias +FDO
- **Base tuning for C programs:** -fast +FDO sh1w32M-80.lib

+FDO: PASS1= -Qprof_gen PASS2=--Qprof_use

- **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 sh1w32M-80.lib
  - 187.facercc: -fast -Qunroll1 -Qscalar_rep- +FDO
  - 188.ammp: -fast -Oa +FDO sh1w32M-80.lib
  - 189.lucas: -fast -Qprefetch- +FDO

Standard Performance Evaluation Corporation
info@spec.org
http://www.spec.org
# CFP2000 Result

Intel(R) Corporation
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<table>
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**Notes/Tuning Information (Continued)**

- 191.fma3d: basepeak=yes
- 200.sixtrack: -Qipo -QxP +PDO
- 301.apsi: -fast +PDO

Tested systems can be used with Shin-G ATX case, Antec NeoPower 480W power supply

Product description located as of 07/2006


The system bus runs at 800 MHz