



CFP2000 Result

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Intel Corporation

Intel D850GB motherboard(1.5 GHz, Pentium 4 processor)

SPECfp2000 = 558

SPECfp_base2000 = 549

SPEC license #: 13 Tested by: Intel Corporation Test date: Nov-2000 Hardware Avail: Nov-2000 Software Avail: Nov-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	211	759	210	763	
171.swim	3100	249	1244	249	1244	
172.mgrid	1800	323	558	296	608	
173.applu	2100	327	641	327	642	
177.mesa	1400	253	553	256	546	
178.galgel	2900	541	537	540	537	
179.art	2600	505	514	492	528	
183.quake	1300	176	739	159	820	
187.facerec	1900	422	451	418	455	
188.amp	2200	601	366	597	368	
189.lucas	2000	262	764	262	763	
191.fma3d	2100	492	427	492	427	
200.sixtrack	1100	428	257	423	260	
301.apsi	2600	609	427	609	427	

Hardware

CPU: Pentium 4 processor (1.5 GHz, 400 MHz bus)
CPU MHz: 1500
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12K micro-ops I + 8KB D
Secondary Cache: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 256MB (2 128MB PC800 RDRAM non-ECC modules)
Disk Subsystem: IBM DTLA-307030 ATA-100
Other Hardware: Creative Labs Annihilator 2

Software

Operating System: Windows 2000(Build 2195)
Compiler: Intel C/C++ Compiler 5.0,
Intel FORTRAN Compiler 5.0,
Microsoft Visual C++ 6.0 (for libraries),
Other software: Microquill SmartHeap V5.0
File System: FAT32
System State: Default

Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning: -Qipo -QxW -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxW -O3 +FDO
171.swim: -Qipo -QxW -O3 +FDO
172.mgrid: -Qipo -QaxW -O3 +FDO
173.applu: -Qipo -QxW -O3 +FDO
177.mesa: -Qipo -QxW -Oa -O3 +FDO
178.galgel: -Qipo -QxW -O3 +FDO
179.art: -Qipo -QxW -O3 -Oa +FDO shlw32M.lib
183.quake: -Qipo -QxW -Qrcd -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxW -O3 +FDO shlw32M.lib
188.amp: -Qipo -QxW -O3 -Oa +FDO
189.lucas: -Qipo -QxW -O3 +FDO
191.fma3d: -Qipo -QxW -O3 +FDO
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Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxW +FDO
 301.apsi: -Qipo -QxW -O3 +FDO
 Library ordering for 187.facerec (include SmartHeap correctly with default libs):
 LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwind.lib libm.lib shlW32M.lib
 LIBC.lib libirc.lib OLDNAMES.lib
 shlW32M.lib is the SmartHeap library V5.0 from Microquill: <http://www.microquill.com>
 Tested systems can be used with Shin-G ATX case, Delta Inc. power supply
 Product description located as of 11/2000:
http://developer.intel.com/design/motherbd/gb/gb_ds.htm
 Motherboard is available through Intel OEM Distribution Channel. See
<http://channel.intel.com/business/ibp/boards/d850gb.htm> for more information
 The system bus runs at 400 MHz