



CFP2000 Result

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Intel Corporation

Intel D850GB motherboard(1.6 GHz, Pentium 4 processor)

SPECfp2000 = 587

SPECfp_base2000 = 578

SPEC license #: 13 Tested by: Intel Corporation Test date: Apr-2001 Hardware Avail: Jul-2001 Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	194	823	194	823	
171.swim	3100	241	1285	241	1284	
172.mgrid	1800	307	586	282	637	
173.applu	2100	305	690	303	692	
177.mesa	1400	233	600	239	586	
178.galgel	2900	518	560	517	561	
179.art	2600	493	528	481	541	
183.quake	1300	169	771	152	857	
187.facerec	1900	399	477	395	481	
188.amp	2200	582	378	578	381	
189.lucas	2000	247	809	247	809	
191.fma3d	2100	465	452	465	451	
200.sixtrack	1100	403	273	398	276	
301.apsi	2600	586	444	586	444	

Hardware

CPU: Pentium 4 processor (1.6 GHz, 400 MHz bus)
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12k micro-ops I + 8KBD
 Secondary Cache: 256KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 256 MB (2 128 MB PC800 RDRAM non-ECC modules)
 Disk Subsystem: IBM DTLA-307030 ATA-100
 Other Hardware: None

Software

Operating System: Windows 2000 (Build 2195) Service Pack 1
 Compiler: Intel C/C++ Compiler 5.0 Build 001120,
 Intel Fortran Compiler 5.0 Build 001027,
 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 -Oa -QxW -O3 +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 PS-300GB-1 B
 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