CFP2000 Result

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Intel Corporation

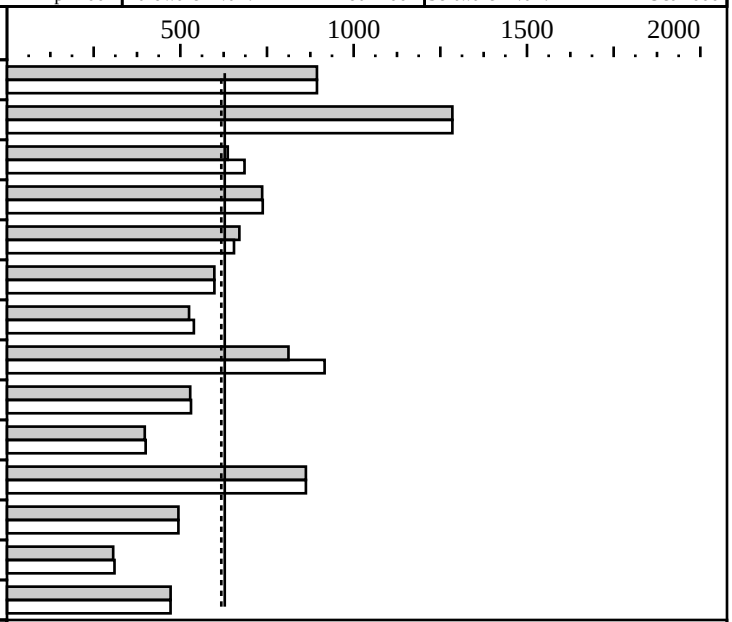
Intel D850GB motherboard(1.8 GHz, Pentium 4 processor)

SPECfp2000 = 628

SPECfp_base2000 = 618

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	179	894	179	894
171.swim	3100	241	1285	241	1285
172.mgrid	1800	283	637	263	685
173.applu	2100	285	736	285	738
177.mesa	1400	209	670	214	655
178.galgel	2900	485	598	485	598
179.art	2600	495	525	482	539
183.equake	1300	160	812	142	916
187.facerec	1900	360	528	358	531
188.ammp	2200	554	397	550	400
189.lucas	2000	232	862	232	862
191.fma3d	2100	425	495	425	494
200.sixtrack	1100	359	306	355	310
301.apsi	2600	551	472	551	472



Hardware

CPU:	Pentium 4 processor (1.8 GHz, 400 MHz bus)
CPU MHz:	1800
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.equake:   -Qipo -QxW  -Qrcd -Oa +FDO shlW32M.lib
187.facerec:  -Qipo -QxW  -O3 +FDO shlW32M.lib
188.ammp:     -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
```