CFP2000 Result

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Intel Corporation

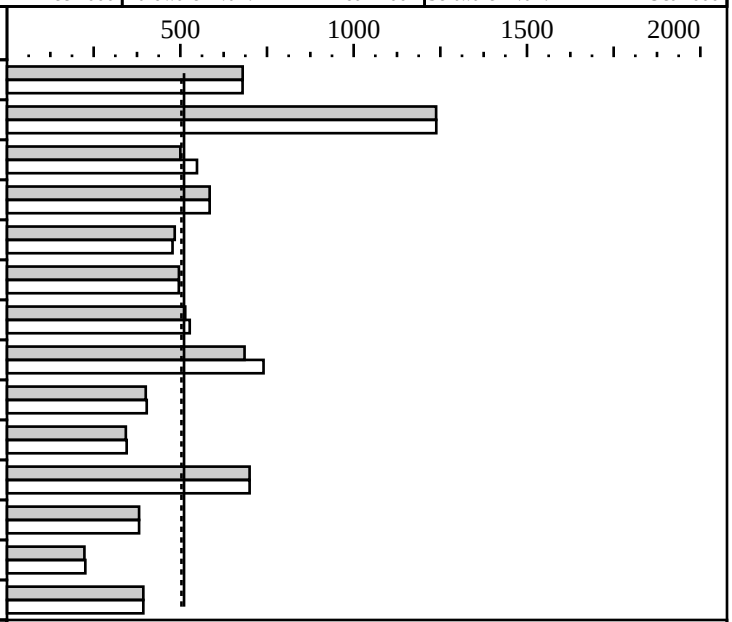
Intel D850GB motherboard(1.3 GHz, Pentium 4 processor)

SPECfp2000 = 511

SPECfp_base2000 = 503

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Dec-2000 | Hardware Avail: Jan-2001 | Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	235	680	235	680
171.swim	3100	250	1238	250	1238
172.mgrid	1800	360	500	328	548
173.applu	2100	359	585	359	585
177.mesa	1400	289	484	293	478
178.galgel	2900	585	496	585	496
179.art	2600	506	514	493	527
183.equake	1300	190	685	176	740
187.facerec	1900	475	400	471	403
188.ammp	2200	642	343	637	345
189.lucas	2000	286	700	286	700
191.fma3d	2100	551	381	551	381
200.sixtrack	1100	493	223	487	226
301.apsi	2600	661	393	661	393



Hardware

CPU:	Pentium 4 processor (1.3 GHz, 400 MHz bus)
CPU MHz:	1300
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:	Creative Labs Annihalator 2

Software

Operating System:	Windows 2000 (Build 2195) Service Pack 1
Compiler:	Intel C/C++ and 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.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
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
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