CFP2000 Result

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Intel Corporation

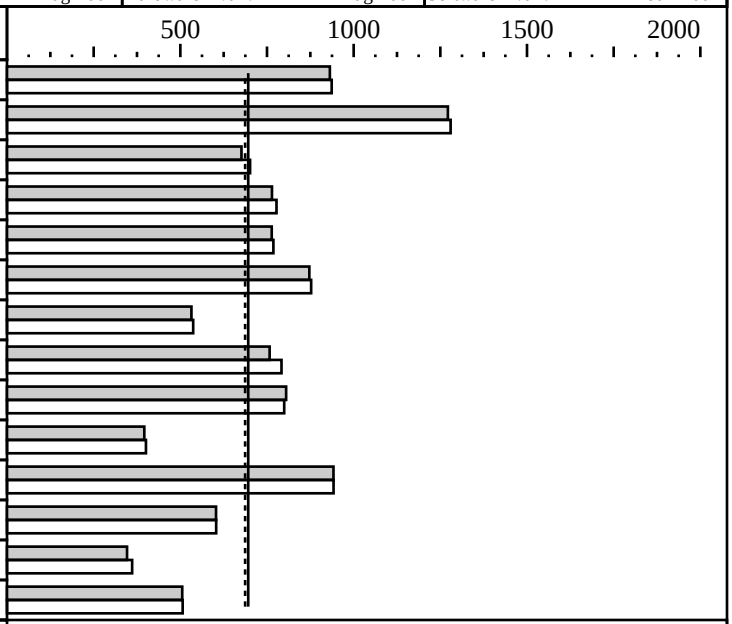
Intel D850GB motherboard (1.9 GHz, Pentium 4 processor)

SPECfp2000 = 696

SPECfp_base2000 = 687

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Aug-2001 | Hardware Avail: Aug-2001 | Software Avail: Jun-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	172	931	171	937
171.swim	3100	244	1272	242	1280
172.mgrid	1800	266	676	257	701
173.applu	2100	275	764	270	777
177.mesa	1400	183	764	182	768
178.galgel	2900	333	872	331	877
179.art	2600	489	532	484	537
183.equake	1300	172	758	164	792
187.facerec	1900	236	805	238	800
188.ammp	2200	555	396	549	401
189.lucas	2000	212	942	212	942
191.fma3d	2100	348	603	348	603
200.sixtrack	1100	318	346	305	361
301.apsi	2600	514	505	513	507



Hardware

CPU:	Pentium 4 processor (1.9 GHz, 400 MHz bus)
CPU MHz:	1900
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 on chip
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, SP2)
Compiler:	Intel C++ Compiler 5.0.1 Build 010525Z Intel Fortran Compiler 5.0.1 Build 010525Z Microsoft Visual C++ 6.0 SP5(for libraries) MicroQuill SmartHeap library V6.0
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 -Qscalar_rep- -Qauto +FDO
177.mesa:     -Qipo -Oa -QxW -O3 +FDO
178.galgel:   -Qipo -QxW  -O3 +FDO
179.art:      -Qipo -QxW  -O3 -Oa +FDO
183.equake:   -Qipo -QxW  -Oa -Qrcd +FDO
187.facerec:  -Qipo -QxW  -O3 +FDO
187.facerec:  LIBS=libIEPCF90.lib libintrins.lib libF90.lib
              libqwin.lib libm.lib shlW32M.lib LIBC.lib
              libirc.lib OLDNAMES.lib
```

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Notes/Tuning Information (Continued)

```
188.ammp:     -Qipo -QxW  -O3 -Oa +FDO
189.lucas:    -Qipo -QxW  -O3 +FDO
191.fma3d:    -Qipo -QxW  -O3 +FDO
200.sixtrack: -Qipo -QxW  +FDO
301.apsi:     -Qipo -QxW  -O3 +FDO
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 V6.0 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
```