CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Intel Corporation

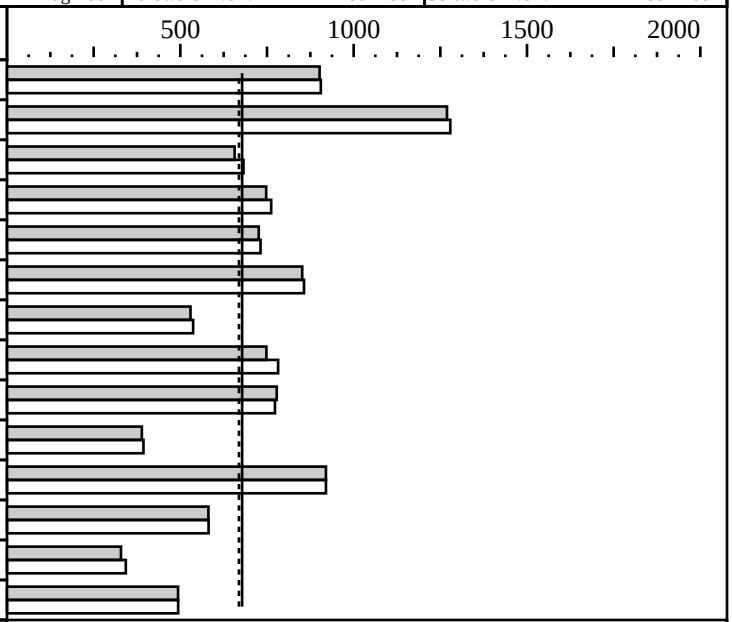
Intel D850GB motherboard (1.8 GHz, Pentium 4 processor)

SPECfp2000 = 678

SPECfp_base2000 = 669

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	177	902	177	905
171.swim	3100	244	1269	242	1279
172.mgrid	1800	274	657	264	682
173.applu	2100	281	748	276	762
177.mesa	1400	193	726	191	731
178.galgel	2900	341	852	338	857
179.art	2600	491	529	484	537
183.equake	1300	174	748	166	782
187.facerec	1900	244	778	246	773
188.ammp	2200	566	389	559	394
189.lucas	2000	217	920	217	920
191.fma3d	2100	361	581	361	581
200.sixtrack	1100	335	329	321	343
301.apsi	2600	527	493	527	494



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 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
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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
```