CFP2000 Result

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Intel Corporation

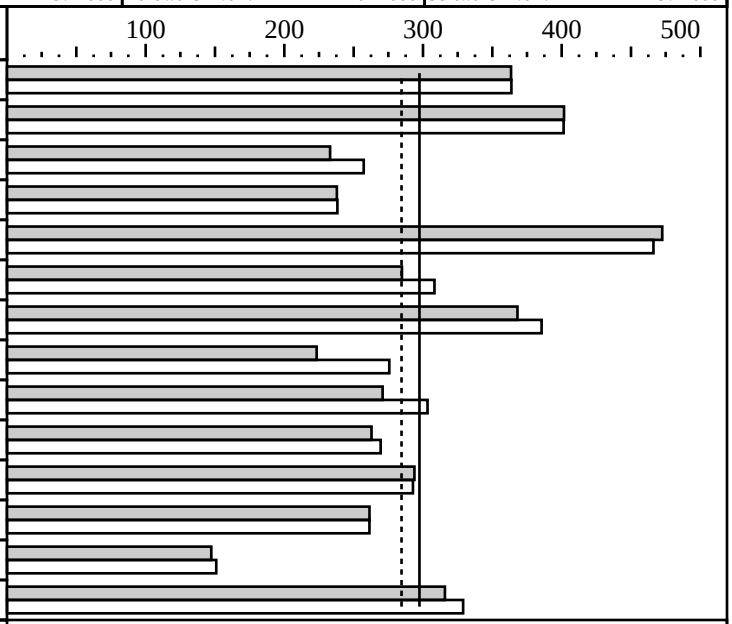
Intel VC820 (866 MHz, Pentium III processor)

SPECfp2000 = 297

SPECfp_base2000 = 285

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Nov-2000 | Hardware Avail: Mar-2000 | Software Avail: Nov-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	440	364	440	364
171.swim	3100	772	402	772	401
172.mgrid	1800	773	233	700	257
173.applu	2100	883	238	881	238
177.mesa	1400	296	473	300	466
178.galgel	2900	1018	285	941	308
179.art	2600	706	368	674	386
183.equake	1300	582	223	472	276
187.facerec	1900	701	271	627	303
188.ammp	2200	837	263	816	269
189.lucas	2000	681	294	683	293
191.fma3d	2100	803	261	803	261
200.sixtrack	1100	747	147	729	151
301.apsi	2600	823	316	790	329



Hardware

CPU:	Pentium III processor (866 MHz, 133 MHz bus)
CPU MHz:	866
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	16KBI + 16KBD 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:	Creative Labs Annihalator 2

Software

Operating System:	Windows 2000(Build 2195)
Compiler:	Intel C/C++ Compiler 5.0, Intel 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: -QxK -Qipo -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise:    -Qipo -QxK  -O3 +FDO
171.swim:       -Qipo -QxK  -O3 +FDO
172.mgrid:      -Qipo -QaxK -O3 +FDO
173.applu:      -Qipo -QxK  -O3 +FDO
177.mesa:       -Qipo -QxK  -O3 -Oa +FDO shlW32M.lib
178.galgel:     -Qipo -QxK  -O3 +FDO shlW32M.lib
179.art:        -Qipo -QxK  -O3 -Oa +FDO shlW32M.lib
183.equake:     -Qipo -QxK  -Qrcd -Oa +FDO shlW32M.lib
187.facerec:    -Qipo -QxK  -O3 +FDO shlW32M.lib
188.ammp:       -Qipo -QxK  -O3 -Oa +FDO
189.lucas:      -Qipo -QxK  -O3 +FDO shlW32M.lib
191.fma3d:      -Qipo -QxK  -O3 +FDO
```

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Notes/Tuning Information (Continued)

```
200.sixtrack:   -Qipo -QxK  +FDO
301.apsi:       -Qipo -QxK  +FDO
Library ordering for 178.galgel, 187.facerec and 189.lucus (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,Sparkle Inc.,
power supply. Product description located as of 03/2000:
http://developer.intel.com/design/motherbd/vc/vc_ds.htm
Motherboard is available through Intel OEM Distribution Channel. See
http://channel.intel.com/ for more information
The system bus runs at 133 MHz
```