



CFP2000 Result

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Intel Corporation
Intel VC820 (800EB MHz, Pentium III processor)

SPECfp2000 = 286
SPECfp_base2000 = 274

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	100 200 300 400 500				
168.wupwise	1600	463	346	463	346	[Bar chart showing ratio 346]				
171.swim	3100	776	399	776	399	[Bar chart showing ratio 399]				
172.mgrid	1800	803	224	741	243	[Bar chart showing ratio 243]				
173.applu	2100	904	232	903	233	[Bar chart showing ratio 233]				
177.mesa	1400	319	438	323	433	[Bar chart showing ratio 433]				
178.galgel	2900	1045	278	962	301	[Bar chart showing ratio 301]				
179.art	2600	713	365	688	378	[Bar chart showing ratio 378]				
183.earthquake	1300	593	219	480	271	[Bar chart showing ratio 271]				
187.facerec	1900	740	257	663	286	[Bar chart showing ratio 286]				
188.amp	2200	871	253	850	259	[Bar chart showing ratio 259]				
189.lucas	2000	703	285	706	283	[Bar chart showing ratio 283]				
191.fma3d	2100	837	251	837	251	[Bar chart showing ratio 251]				
200.sixtrack	1100	807	136	788	140	[Bar chart showing ratio 140]				
301.apsi	2600	863	301	829	314	[Bar chart showing ratio 314]				

Hardware

CPU: Pentium III processor (800EB MHz, 133 MHz bus)
 CPU MHz: 800
 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 Annihilator 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.earthquake: -Qipo -QxK -Qrcd -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxK -O3 +FDO shlw32M.lib
188.amp: -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.lucius (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