



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	100 200 300 400 500				
168.wupwise	1600	440	364	440	364	[Bar chart showing ratio 364]				
171.swim	3100	772	402	772	401	[Bar chart showing ratio 401]				
172.mgrid	1800	773	233	700	257	[Bar chart showing ratio 257]				
173.applu	2100	883	238	881	238	[Bar chart showing ratio 238]				
177.mesa	1400	296	473	300	466	[Bar chart showing ratio 466]				
178.galgel	2900	1018	285	941	308	[Bar chart showing ratio 308]				
179.art	2600	706	368	674	386	[Bar chart showing ratio 386]				
183.quake	1300	582	223	472	276	[Bar chart showing ratio 276]				
187.facerec	1900	701	271	627	303	[Bar chart showing ratio 303]				
188.amp	2200	837	263	816	269	[Bar chart showing ratio 269]				
189.lucas	2000	681	294	683	293	[Bar chart showing ratio 293]				
191.fma3d	2100	803	261	803	261	[Bar chart showing ratio 261]				
200.sixtrack	1100	747	147	729	151	[Bar chart showing ratio 151]				
301.apsi	2600	823	316	790	329	[Bar chart showing ratio 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 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.quake: -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.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