



CFP2000 Result

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Intel Corporation
Intel VC820 (1.0B GHz, Pentium III processor)

SPECfp2000 = 318
SPECfp_base2000 = 304

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	407	393	404	396	
171.swim	3100	763	406	766	405	
172.mgrid	1800	733	246	654	275	
173.applu	2100	861	244	849	247	
177.mesa	1400	262	535	264	529	
178.galgel	2900	985	295	908	319	
179.art	2600	687	379	656	396	
183.quake	1300	558	233	455	286	
187.facerec	1900	641	296	571	333	
188.amp	2200	778	283	759	290	
189.lucas	2000	641	312	644	311	
191.fma3d	2100	744	282	744	282	
200.sixtrack	1100	652	169	635	173	
301.apsi	2600	755	345	725	359	

Hardware

CPU: Pentium III processor (1.0B GHz, 133 MHz bus)
CPU MHz: 1000
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