



# CFP2000 Result

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Intel Corporation  
Intel VC820(1 GHz Pentium III processor)

SPECfp2000 = 314  
SPECfp\_base2000 = 304

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	400	400	400	400	
171.swim	3100	760	408	759	408	
172.mgrid	1800	725	248	652	276	
173.applu	2100	846	248	840	250	
177.mesa	1400	275	508	275	510	
178.galgel	2900	994	292	888	327	
179.art	2600	691	376	691	376	
183.earthquake	1300	559	232	465	279	
187.facerec	1900	634	300	633	300	
188.amp	2200	773	285	755	292	
189.lucas	2000	657	304	661	303	
191.fma3d	2100	754	278	754	278	
200.sixtrack	1100	628	175	633	174	
301.apsi	2600	758	343	732	355	

### Hardware

CPU: Pentium III processor (1 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-die  
 Secondary Cache: 256KB(I+D) on-die ECC  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 256 MB PC800 RDRAM  
 Disk Subsystem: IBM DTLA 307030 ATA-66+  
 Other Hardware: Creative Labs Annihilator Pro GeForce 256 DDR

### Software

Operating System: Windows 2000(Build 2195)  
 Compiler: Intel C++ and Fortran Compiler 5.0, for Windows NT 4.0/Windows 2000, Microsoft Visual C++ 6.0 (for libraries), SmartHeap library V5.0  
 File System: FAT32  
 System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning: -QxK -Qipo_wp -O3 +FDO
Portability:
178.galgel: -FI -Fe$@ -link -stack:32000000
Peak tuning:
168.wupwise: -QxK -Qipo_wp -O3 +FDO
171.swim: -QxK -Qipo_wp -O3 +FDO
172.mgrid: -QxK -Qipo_wp -O3 +FDO
173.applu: -QxK -Qipo_wp -O3 +FDO
177.mesa: -QxK -Qipo_wp -O3 -Oa +FDO
178.galgel: -QxK -Qipo_wp -O3 +FDO -Zi shlw32M.lib
179.art: -QxK -Qipo_wp -O3 -Oa +FDO
183.earthquake: -QxK -Qipo_wp -Qrcd -Oa +FDO shlw32M.lib
187.facerec: -QxK -Qipo_wp -O3 +FDO -Zi shlw32M.lib
188.amp: -QxK -Qipo_wp -O3 -Oa +FDO
189.lucas: -QxK -Qipo_wp -O3 +FDO -Zi shlw32M.lib
191.fma3d: -QxK -Qipo_wp -O3 +FDO
```



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## Notes/Tuning Information (Continued)

200.sixtrack:-QxK -Qipo\_wp +FDO  
301.apsi: -QxK -Qipo\_wp +FDO  
Tested systems can be used with Shin-G ATX case, Sparkle Inc. power supply  
Product description as of 06/2000:  
<http://developer.intel.com/design/motherbd/vc/>  
Motherboard available through Intel OEM Distribution channel. See  
<http://channel.intel.com/> for more information  
The system bus runs at 133 MHz