



CFP2000 Result

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Intel Corporation
Intel OR840(1 GHz Pentium III processor)

SPECfp2000 = 335
SPECfp_base2000 = 327

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	379	422	379	422	
171.swim	3100	628	493	628	494	
172.mgrid	1800	644	279	694	259	
173.applu	2100	756	278	755	278	
177.mesa	1400	274	512	273	512	
178.galgel	2900	932	311	804	361	
179.art	2600	635	410	635	409	
183.quake	1300	508	256	410	317	
187.facerec	1900	607	313	602	316	
188.amp	2200	738	298	722	305	
189.lucas	2000	608	329	611	327	
191.fma3d	2100	710	296	710	296	
200.sixtrack	1100	624	176	629	175	
301.apsi	2600	710	366	685	380	

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: 1,2
 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: -Qipo_wp -QxK -O3 +FDO
171.swim: -Qipo_wp -QxK -O3 +FDO
172.mgrid: -Qipo_wp -QxK -O3 +FDO
173.applu: -Qipo_wp -QxK -O3 +FDO
177.mesa: -Qipo_wp -QxK -O3 -Oa +FDO
178.galgel: -Qipo_wp -QxK -O3 +FDO -Zi shlw32M.lib
179.art: -Qipo_wp -QxK -O3 -Oa +FDO
183.quake: -Qipo_wp -QxK -Qrcd -Oa +FDO shlw32M.lib
187.facerec: -Qipo_wp -QxK -O3 +FDO -Zi shlw32M.lib
188.amp: -Qipo_wp -QxK -O3 -Oa +FDO
189.lucas: -Qipo_wp -QxK -O3 +FDO -Zi shlw32M.lib
191.fma3d: -Qipo_wp -QxK -O3 +FDO
```



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Notes/Tuning Information (Continued)

200.sixtrack:-Qipo_wp -QxK +FDO
301.apsi: -Qipo_wp -QxK +FDO
Tested systems can be used with Shin-G ATX case,
Sparkle Inc. power supply FSP300-60GT
Product description as of 06/2000:
<http://developer.intel.com/design/wrkstn/or840/>
Motherboard available through Intel OEM Distribution channel. See
<http://channel.intel.com/> for more information
The system bus runs at 133 MHz