



# CFP2000 Result

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## IBM Corporation

IBM Thinkpad T43 Type 1871-48U( 1.60 GHz, Pentium(R) M processor 730)

SPECfp2000 = 1082

SPECfp\_base2000 = 1080

SPEC license #: 13 Tested by: Intel(R) Corporation Test date: Dec-2005 Hardware Avail: Feb-2005 Software Avail: Apr-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	127	1257	127	1257	[Bar chart showing ratio 1257]			
171.swim	3100	249	1244	249	1244	[Bar chart showing ratio 1244]			
172.mgrid	1800	196	917	196	917	[Bar chart showing ratio 917]			
173.applu	2100	253	830	250	841	[Bar chart showing ratio 841]			
177.mesa	1400	113	1236	113	1236	[Bar chart showing ratio 1236]			
178.galgel	2900	125	2319	125	2321	[Bar chart showing ratio 2321]			
179.art	2600	100	2591	103	2521	[Bar chart showing ratio 2521]			
183.quake	1300	114	1141	114	1141	[Bar chart showing ratio 1141]			
187.facerec	1900	163	1164	163	1164	[Bar chart showing ratio 1164]			
188.amp	2200	290	759	280	786	[Bar chart showing ratio 786]			
189.lucas	2000	167	1197	167	1196	[Bar chart showing ratio 1196]			
191.fma3d	2100	255	822	255	822	[Bar chart showing ratio 822]			
200.sixtrack	1100	272	405	272	405	[Bar chart showing ratio 405]			
301.apsi	2600	313	831	313	831	[Bar chart showing ratio 831]			

### Hardware

CPU: Intel(R) Pentium(R) M processor 730 ( 1.60 GHz, 533 MHz bus)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 32KBI + 32KBD on chip  
Secondary Cache: 2MB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 2x512 MB Samsung PC2-4200 DDR2-533 4-4-4-12 (tCL-tRCD-tRP-tRASmin)  
Disk Subsystem: Hitachi Travelstar 60GB 7200RPM  
Other Hardware: N/A

### Software

Operating System: Windows XP Professional SP2  
Compiler: Intel C++ and Fortran Compiler 9.0 for 32-bit applications Build 20050430Z (32-bit)  
Microsoft Visual Studio .Net 2003(for libraries)  
SmartHeap Library Version 7.4 from <http://www.microquill.com/>  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning: -O3 -Qipo -QxB +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -O3 -Qipo -QxB -Qansi_alias +FDO
171.swim: -O3 -Qipo -QxB -Qansi_alias +FDO
172.mgrid: -O3 -Qipo -QxB -Qansi_alias +FDO
173.applu: -O3 -Qipo -QxB -Qscalar_rep- -Qauto +FDO
177.mesa: basepeak=yes
178.galgel: -O3 -Qipo -QxB -Qansi_alias +FDO
179.art: -Oa -Qipo -Qunroll4 -Zp4
183.quake: basepeak=yes
187.facerec: -O3 -Qipo -QxB -Qunroll1 -Qscalar_rep- +FDO
188.amp: -Oa -QxB
189.lucas: -O3 -Qipo -QxB -Qprefetch- +FDO
191.fma3d: basepeak=yes
```



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## Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxB +FDO  
301.apsi: -O3 -Qipo -QxB +FDO  
The system bus runs at 533 MHz  
AC power, OS Power Management Mode set to Always On