



CFP2000 Result

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IBM Corporation

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

SPECfp_rate2000 = 12.5

SPECfp_rate_base2000 = 12.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	254	14.6	2	254	14.6
171.swim	2	498	14.4	2	498	14.4
172.mgrid	2	392	10.6	2	392	10.6
173.applu	2	506	9.64	2	499	9.77
177.mesa	2	228	14.2	2	228	14.2
178.galgel	2	251	26.8	2	251	26.8
179.art	2	203	29.8	2	208	29.0
183.quake	2	228	13.2	2	228	13.2
187.facerec	2	327	13.5	2	327	13.5
188.amp	2	582	8.77	2	563	9.06
189.lucas	2	334	13.9	2	334	13.9
191.fma3d	2	511	9.54	2	511	9.54
200.sixtrack	2	547	4.67	2	544	4.69
301.apsi	2	625	9.64	2	626	9.64

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 -Qunroll11 -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