



CFP2000 Result

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CAIRA
PCSC32 (3.2 GHz Intel Pentium 4)

SPECfp2000 = 1813

SPECfp_base2000 = 1817

SPEC license #: 3195 | Tested by: CAIRA | Test date: Jan-2006 | Hardware Avail: Jan-2006 | Software Avail: May-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	62.7	2554	62.6	2555	
171.swim	3100	121	2565	121	2568	
172.mgrid	1800	124	1447	124	1448	
173.applu	2100	134	1572	138	1527	
177.mesa	1400	99.4	1408	99.4	1408	
178.galgel	2900	85.8	3378	85.8	3379	
179.art	2600	58.8	4423	58.8	4423	
183.equake	1300	48.7	2670	48.7	2669	
187.facerec	1900	98.5	1929	98.5	1929	
188.ampmp	2200	200	1100	199	1106	
189.lucas	2000	95.3	2098	95.0	2106	
191.fma3d	2100	145	1453	145	1453	
200.sixtrack	1100	173	634	175	628	
301.apsi	2600	209	1243	209	1244	

Hardware

CPU: Intel Pentium 4 640 (3.2 GHz, 2MB L2, 800MHz system bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper Threading Technology Enabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12KB(I) micro-ops + 16KB(D) on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: --
Other Cache: --
Memory: 4 x 512 MB DDR2-533 SDRAM
Disk Subsystem: 1 x 80 GB 7200 RPM SATA HDD
Other Hardware:

Software

Operating System: Microsoft Windows XP SP1
Compiler: Intel(R) C++ Compiler for 32-bit, Version 9.0
Intel(R) Fortran Compiler for 32-bit, Version 9.0
Microsoft Visual Studio .NET 2003 (for libraries)
MicroQuill SmartHeap
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning for Fortran Programs : -fast -Qansi_alias +FDO
178.galgel: -FI /F32000000
168.wupwise: -fast -Qansi_alias +FDO
171.swim: -fast -Qansi_alias +FDO
172.mgrid: -fast -Qansi_alias +FDO
173.applu: -fast -Qscalar_rep- -Qauto +FDO
177.mesa: basepeak=yes
178.galgel: -fast -Qansi_alias +FDO
179.art: basepeak=yes
187.facerec: basepeak=yes
188.ampmp: -fast -Oa +FDO shlw32M.lib
189.lucas: -fast -Qprefetch- +FDO
191.fma3d: basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi: -fast +FDO
shlw32M.lib is the micro quill SmartHeap library version 8 from Http://www.microquill.com
```



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Notes/Tuning Information (Continued)

Base tuning for C programs -fast +FDO shlw32M.lib