



# CFP2000 Result

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Acer Incorporated  
Altos G310 Mk2 (3.6 GHz Intel Pentium 4)

SPECfp\_rate2000 = 22.6  
SPECfp\_rate\_base2000 = 22.5

SPEC license #: 97 Tested by: Acer Incorporated Test date: Apr-2005 Hardware Avail: Apr-2005 Software Avail: Apr-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	120	30.9	2	119	31.3
171.swim	2	240	30.0	2	240	30.0
172.mgrid	2	205	20.4	2	203	20.6
173.applu	2	279	17.5	2	279	17.4
177.mesa	2	171	19.0	2	171	19.0
178.galgel	2	184	36.5	2	189	35.6
179.art	2	144	41.9	2	144	41.9
183.quake	2	95.2	31.7	2	95.2	31.7
187.facerec	2	165	26.6	2	165	26.6
188.amp	2	342	14.9	2	319	16.0
189.lucas	2	214	21.7	2	214	21.7
191.fma3d	2	262	18.6	2	262	18.6
200.sixtrack	2	258	9.90	2	253	10.1
301.apsi	2	347	17.4	2	349	17.3

### Hardware

CPU: Intel Pentium 4 (3.6 GHz, 2MB L2, 800MHz system bus)  
CPU MHz: 3600  
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: N/A  
Other Cache: N/A  
Memory: 4 x 1024MB ECC DDR2-533 SDRAM  
Disk Subsystem: 1 x 80GB 7200RPM SATA HDD  
Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790)  
Compiler: Intel C++ Build 20041019Z and Fortran Compiler 8.1 Build 20040802Z  
Microsoft Visual Studio .Net 2003(7.1.3091, 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 for Fortran Programs: -fast -Qansi_alias +FDO
177.mesa:base for C Program: -fast +FDO shlw32M.lib
179.art:base for C Program: -fast +FDO shlw32M.lib
183.quake:base for C Program: -fast +FDO shlw32M.lib
188.amp:base for C Program: -fast +FDO shlw32M.lib
Portability:
178.galgel: -FI /F32000000
Peak tuning:
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
183.quake: -fast -Oa -Qrcd -Qprof_gen shlw32M.lib
```



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## Notes/Tuning Information (Continued)

```
187.facerec: basepeak=yes
188.ammf: -Oa -QxP
189.lucas: -fast -Qprefetch- +FDO
191.fma3d: basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi: -fast +FDO
```

Product description located at <http://www.acer.com>