



# CFP2000 Result

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Acer Incorporated  
Acer Altos G530 (3.0 GHz Intel Xeon)

SPECfp\_rate2000 = 19.2  
SPECfp\_rate\_base2000 = 19.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	145	25.6	2	145	25.6
171.swim	2	278	25.9	2	278	25.9
172.mgrid	2	245	17.0	2	245	17.0
173.applu	2	345	14.1	2	345	14.1
177.mesa	2	209	15.6	2	209	15.6
178.galgel	2	210	32.0	2	209	32.1
179.art	2	172	35.0	2	172	35.0
183.quake	2	95.2	31.7	2	95.1	31.7
187.facerec	2	204	21.6	2	204	21.6
188.amp	2	427	12.0	2	371	13.7
189.lucas	2	252	18.4	2	252	18.4
191.fma3d	2	315	15.5	2	315	15.5
200.sixtrack	2	292	8.74	2	301	8.47
301.apsi	2	415	14.5	2	415	14.5

### Hardware

CPU: Intel Xeon (3.0 GHz, 2MB L2, 800MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip(Hyper-Threading Technology Enable)  
CPU(s) orderable: 1,2  
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 1GB ECC DDR2-400 SDRAM  
Disk Subsystem: 1 x 146GB 10000RPM U320 SCSI HDD  
Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790)  
Compiler: Intel C++ 9.0 Build 20050430Z for IA32 and Fortran Compiler 9.0 Build 20050722Z for IA32  
Microsoft Visual Studio .Net 2003(7.1.3091, for libraries)  
shlw32M.lib is 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 all Fortran Programs : -fast -Qansi_alias +FDO
Base tuning for all C Programs: -fast +FDO shlw32M.lib
Portability:
178.galgel: -FI /F32000000
192.fma3d: Approved windowsdp src.alt used
Peak tuning:
168.wupwise: -fast -Qansi_alias +FDO
171.swim: -fast -Qansi_alias +FDO
172.mgrid: -fast -Qansi_alias +FDO
173.applu: basepeak=yes
177.mesa: basepeak=yes
178.galgel: -fast -Qansi_alias +FDO
179.art: basepeak=yes
183.quake: -fast -Oa -Qrcd -Qprof_gen shlw32M.lib
187.facerec: basepeak=yes
188.amp: -Oa -QxP
```



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## Notes/Tuning Information (Continued)

189.lucas: -fast -Qprefetch- +FDO

191.fma3d: basepeak=yes

200.sixtrack: -Qipo -QxP +FDO

301.apsi: -fast +FDO

Enable hardware prefetching and adjacent cache line prefetch BIOS setting

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