



# CFP2000 Result

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**Acer Incorporated**  
Acer Altos R910 (3.0 GHz Intel Xeon Processor 7040)

SPECfp\_rate2000 = **50.3**  
SPECfp\_rate\_base2000 = **50.2**

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: Jun-2006 | Hardware Avail: Jun-2006 | Software Avail: Nov-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	248	60.0	8	248	60.0
171.swim	8	965	29.8	8	964	29.8
172.mgrid	8	597	28.0	8	597	28.0
173.applu	8	666	29.3	8	666	29.3
177.mesa	8	122	106	8	122	106
178.galgel	8	158	170	8	159	169
179.art	8	313	77.1	8	313	77.1
183.quake	8	348	34.6	8	348	34.7
187.facerec	8	344	51.2	8	344	51.2
188.amp	8	410	49.7	8	407	50.1
189.lucas	8	615	30.2	8	615	30.2
191.fma3d	8	545	35.8	8	545	35.8
200.sixtrack	8	194	52.6	8	195	52.3
301.apsi	8	377	63.9	8	376	64.2

### Hardware

CPU: Intel Xeon Processor 7040 (3.0 GHz, 2x2MB L2, 667MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2,3,4  
Parallel: No  
Primary Cache: 12K micro-ops I + 16KB(D) on chip, per core  
Secondary Cache: 2048KB(I+D) on chip, per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 16 x 1024MB ECC DDR2-400 SDRAM  
Disk Subsystem: 1 x 73GB 10000RPM U320 SCSI HDD  
Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1  
Compiler: Intel C++ 9.0 Build 20051130Z for IA32 and Fortran Compiler 9.0 Build 20051130Z for IA32  
Microsoft Visual Studio .Net 2003 (7.1.5091, 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
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 +FDO shlw32M.lib
187.facerec: basepeak=yes
188.amp: -Oa -QxP
189.lucas: -fast -Qprefetch- +FDO
```



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## Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
```