



# CFP2000 Result

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**Acer Incorporated**  
Acer Altos R910 (3.16 GHz Intel Xeon MP)

SPECfp\_rate2000 = 36.5  
SPECfp\_rate\_base2000 = 36.3

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	4	127	58.7	4	126	58.8
171.swim	4	468	30.7	4	467	30.8
172.mgrid	4	296	28.2	4	296	28.2
173.applu	4	316	30.8	4	316	30.8
177.mesa	4	109	59.6	4	109	59.6
178.galgel	4	278	48.4	4	280	48.1
179.art	4	307	39.3	4	307	39.3
183.quake	4	184	32.8	4	184	32.8
187.facerec	4	206	42.8	4	206	42.8
188.amp	4	434	23.5	4	393	26.0
189.lucas	4	308	30.1	4	308	30.2
191.fma3d	4	290	33.6	4	290	33.6
200.sixtrack	4	182	28.0	4	184	27.8
301.apsi	4	292	41.3	4	294	41.1

### Hardware

CPU: Intel Xeon MP (3.16 GHz, 1MB L2, 667MHz system bus)  
 CPU MHz: 3160  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1,2,3,4  
 Parallel: No  
 Primary Cache: 12K micro-ops I + 16KB(D) on chip  
 Secondary Cache: 1024KB(I+D) on chip  
 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
```