



# CFP2000 Result

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## Acer Incorporated

Acer Altos R520 (1.86 GHz Intel Xeon Processor E5320)

SPECfp\_rate2000 = 78.2

SPECfp\_rate\_base2000 = 77.3

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

250 200 150 100 50				Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
				168.wupwise	8	170	87.4	8	170	87.5
				171.swim	8	690	41.7	8	690	41.7
				172.mgrid	8	424	39.4	8	424	39.4
				173.applu	8	461	42.2	8	461	42.2
				177.mesa	8	82.9	157	8	82.9	157
				178.galgel	8	109	247	8	109	247
				179.art	8	124	195	8	124	195
				183.quake	8	221	54.5	8	222	54.5
				187.facerec	8	185	95.3	8	185	95.3
				188.amp	8	230	89.0	8	195	105
				189.lucas	8	401	46.2	8	401	46.2
				191.fma3d	8	377	51.7	8	377	51.7
				200.sixtrack	8	155	65.7	8	157	65.2
				301.apsi	8	294	82.1	8	295	81.8

### Hardware

CPU: Intel Xeon Processor E5320 (1.86 GHz, 8MB L2, 1066 MHz system bus)  
 CPU MHz: 1866  
 FPU: Integrated  
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
 Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8 x 2048MB ECC FB-DIMM DDR2-667  
 Disk Subsystem: 1 x 73GB 10KRPM SAS HDD  
 Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1  
 Compiler: Intel C++ 9.1 Build 20060323Z for IA32 and Fortran Compiler 9.1 Build 20060323Z 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
```

The Altos R720 and Altos R520 are electronically equivalent.