



# CFP2000 Result

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Acer Incorporated  
Altos G520 (3.6 GHz Intel Xeon)

SPECfp\_rate2000 = 23.4

SPECfp\_rate\_base2000 = 23.4

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           | 82.6         | 44.9       | 2      | 82.9    | 44.8  |
| 171.swim     | 2           | 351          | 20.5       | 2      | 354     | 20.3  |
| 172.mgrid    | 2           | 220          | 18.9       | 2      | 222     | 18.8  |
| 173.applu    | 2           | 259          | 18.8       | 2      | 260     | 18.8  |
| 177.mesa     | 2           | 88.3         | 36.8       | 2      | 88.3    | 36.8  |
| 178.galgel   | 2           | 213          | 31.6       | 2      | 213     | 31.5  |
| 179.art      | 2           | 205          | 29.5       | 2      | 205     | 29.5  |
| 183.quake    | 2           | 142          | 21.2       | 2      | 145     | 20.9  |
| 187.facerec  | 2           | 146          | 30.2       | 2      | 149     | 29.6  |
| 188.amp      | 2           | 284          | 18.0       | 2      | 280     | 18.2  |
| 189.lucas    | 2           | 241          | 19.2       | 2      | 239     | 19.4  |
| 191.fma3d    | 2           | 222          | 21.9       | 2      | 222     | 21.9  |
| 200.sixtrack | 2           | 171          | 14.9       | 2      | 170     | 15.0  |
| 301.apsi     | 2           | 325          | 18.5       | 2      | 325     | 18.5  |

### Hardware

CPU: Intel Xeon (3.6 GHz, 1MB L2, 800MHz system bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip(Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12KB(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4 x 1024MB ECC DDR-333 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)  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning: -fast -Qansi_alias +FDO
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: -QxP -Oa -Qrcd -Qipo +FDO
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -Oa -QxP
189.lucas: -fast -Qprefetch- +FDO
191.fma3d: basepeak=yes
```



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## Notes/Tuning Information (Continued)

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>