# CFP2000 Result

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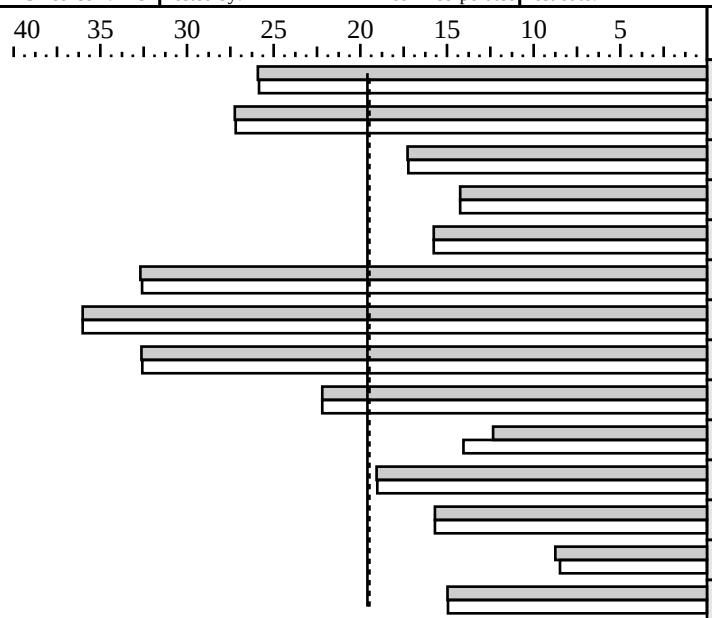
## Acer Incorporated
## Acer Altos R710 (3.0 GHz Intel Xeon)

SPECfp_rate2000 = 19.6

SPECfp_rate_base2000 = 19.5

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 | 143 | 25.9 | 2 | 144 | 25.8 |
| 171.swim | 2 | 264 | 27.2 | 2 | 265 | 27.2 |
| 172.mgrid | 2 | 242 | 17.3 | 2 | 242 | 17.2 |
| 173.applu | 2 | 342 | 14.2 | 2 | 342 | 14.2 |
| 177.mesa | 2 | 206 | 15.8 | 2 | 206 | 15.8 |
| 178.galgel | 2 | 206 | 32.7 | 2 | 206 | 32.6 |
| 179.art | 2 | 167 | 36.0 | 2 | 167 | 36.0 |
| 183.equake | 2 | 92.4 | 32.6 | 2 | 92.6 | 32.6 |
| 187.facerec | 2 | 199 | 22.2 | 2 | 199 | 22.2 |
| 188.ammp | 2 | 414 | 12.3 | 2 | 363 | 14.1 |
| 189.lucas | 2 | 243 | 19.1 | 2 | 244 | 19.0 |
| 191.fma3d | 2 | 310 | 15.7 | 2 | 310 | 15.7 |
| 200.sixtrack | 2 | 292 | 8.75 | 2 | 301 | 8.48 |
| 301.apsi | 2 | 403 | 15.0 | 2 | 404 | 14.9 |

### 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: | 6 x 512MB 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<br>Microsoft Visual Studio .Net 2003(7.1.3091, for libraries)<br>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.equake:   -fast -Oa -Qrcd -Qprof_gen shlw32M.lib
187.facerec:  basepeak=yes
188.ammp:     -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
```