# CFP2000 Result

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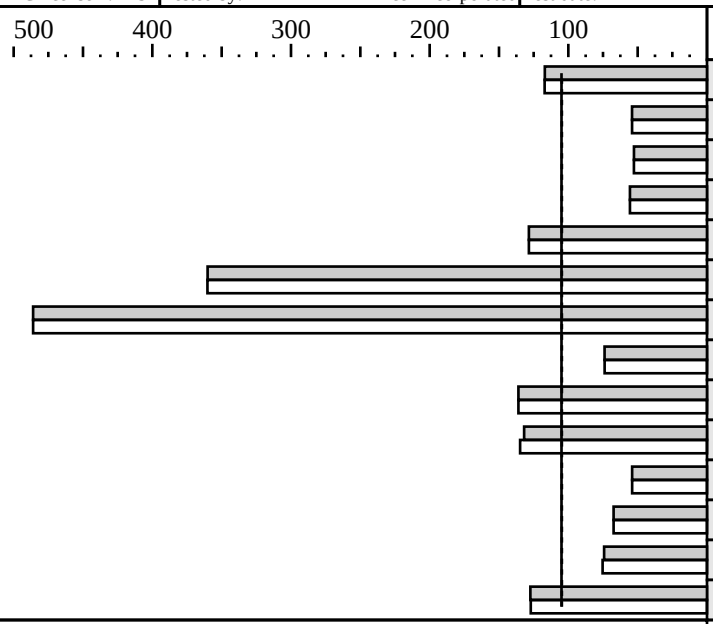
## Acer Incorporated

Acer Altos R910 (3.4 GHz Intel Xeon Processor 7140M)

SPECfp_rate2000 = 105

SPECfp_rate_base2000 = 105

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 16 | 254 | 117 | 16 | 254 | 117 |
| 171.swim | 16 | 1064 | 54.1 | 16 | 1065 | 54.0 |
| 172.mgrid | 16 | 634 | 52.7 | 16 | 634 | 52.7 |
| 173.applu | 16 | 701 | 55.6 | 16 | 701 | 55.6 |
| 177.mesa | 16 | 202 | 128 | 16 | 202 | 128 |
| 178.galgel | 16 | 149 | 360 | 16 | 149 | 360 |
| 179.art | 16 | 99.3 | 486 | 16 | 99.3 | 486 |
| 183.equake | 16 | 327 | 73.9 | 16 | 327 | 73.8 |
| 187.facerec | 16 | 259 | 136 | 16 | 259 | 136 |
| 188.ammp | 16 | 310 | 132 | 16 | 303 | 135 |
| 189.lucas | 16 | 688 | 54.0 | 16 | 688 | 54.0 |
| 191.fma3d | 16 | 579 | 67.4 | 16 | 579 | 67.4 |
| 200.sixtrack | 16 | 275 | 74.2 | 16 | 271 | 75.3 |
| 301.apsi | 16 | 379 | 127 | 16 | 380 | 127 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon Processor 7140M (3.4 GHz, 16MB L3, 800MHz system bus) |
| CPU MHz: | 3400 |
| FPU: | Integrated |
| CPU(s) enabled: | 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled) |
| CPU(s) orderable: | 1,2,3,4 |
| Parallel: | No |
| Primary Cache: | 12K(I) micro-ops + 16KB(D) on chip, per core |
| Secondary Cache: | 1024KB(I+D) on chip, per core |
| L3 Cache: | 16MB on chip, per chip |
| Other Cache: | N/A |
| Memory: | 16 x 1024MB ECC DDR2-400 SDRAM |
| Disk Subsystem: | 1 x 73GB 10000RPM 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<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 -Qansi_alias +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.equake:   -fast -Oa -Qrcd +FDO shlw32M.lib
187.facerec:  basepeak=yes
188.ammp:     -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
```