# CFP2000 Result

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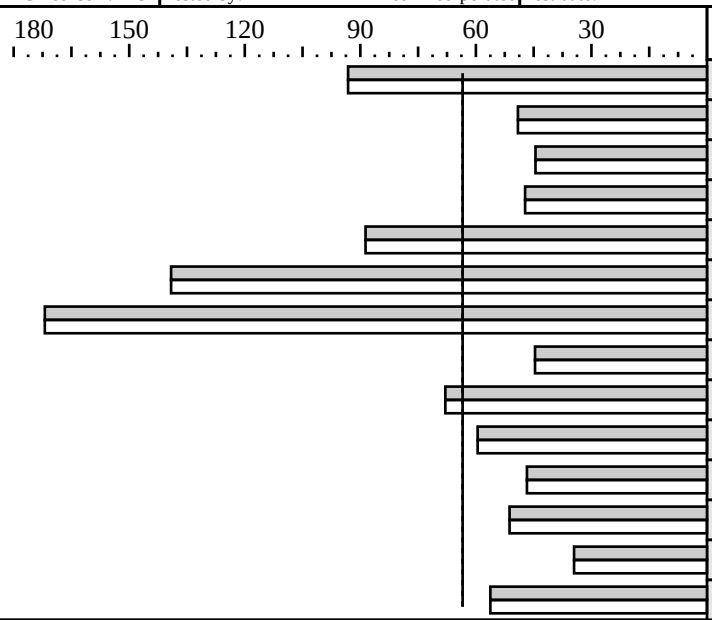
## Acer Incorporated

Acer Altos R720 (3.73 GHz Intel Xeon Processor 5080)

SPECfp_rate2000 = 63.4

SPECfp_rate_base2000 = 63.4

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: May-2006 | Hardware Avail: Jun-2006 | Software Avail: Dec-2005




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 4 | 79.7 | 93.2 | 4 | 79.7 | 93.2 |
| 171.swim | 4 | 293 | 49.1 | 4 | 293 | 49.1 |
| 172.mgrid | 4 | 188 | 44.5 | 4 | 188 | 44.5 |
| 173.applu | 4 | 206 | 47.2 | 4 | 206 | 47.2 |
| 177.mesa | 4 | 73.3 | 88.6 | 4 | 73.3 | 88.6 |
| 178.galgel | 4 | 96.7 | 139 | 4 | 96.7 | 139 |
| 179.art | 4 | 70.2 | 172 | 4 | 70.2 | 172 |
| 183.equake | 4 | 135 | 44.6 | 4 | 135 | 44.6 |
| 187.facerec | 4 | 130 | 67.9 | 4 | 130 | 67.9 |
| 188.ammp | 4 | 171 | 59.5 | 4 | 171 | 59.5 |
| 189.lucas | 4 | 199 | 46.7 | 4 | 199 | 46.7 |
| 191.fma3d | 4 | 190 | 51.3 | 4 | 190 | 51.3 |
| 200.sixtrack | 4 | 148 | 34.5 | 4 | 148 | 34.5 |
| 301.apsi | 4 | 215 | 56.2 | 4 | 215 | 56.2 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon Processor 5080 (3.73 GHz, 2x2MB L2, 1066MHz system bus) |
| CPU MHz: | 3733 |
| FPU: | Integrated |
| CPU(s) enabled: | 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled) |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 12KB(I) micro-ops + 16KB(D) on chip, per core |
| Secondary Cache: | 2048KB(I+D) on chip, per core |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 8 x 2048MB ECC FB-DIMM 667 |
| Disk Subsystem: | 1 x 73GB 10000RPM SAS HDD |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Red Hat Enterprise Linux 4 Advanced Server Update 3 EM64T ( Kernel 2.6.9-34.ELsmp ) |
| Compiler: | Intel C++ Compiler 9.0 Build 20051201 for EM64T<br>Intel Fortran Compiler 9.0 Build 20051201 for EM64T |
| File System: | ext3 |
| System State: | Runlevel 3 |

## Notes/Tuning Information

```
GENERAL
 ONESTEP=yes for all benchmarks
 +FDO :  PASS1= -prof_gen   PASS2= -prof_use
PORTABILITY FLAGS
 -DSPEC_CPU2000_LP64 applied to all benchmarks
 178.galgel: -FI for fixed-format Fortran
BASE TUNING
 Baseline optimizations for C and Fortran: -fast +FDO
PEAK TUNING
 basepeak=yes set for all benchmarks
Enable hardware prefetching and adjacent cache line prefetch BIOS setting
```