



# CFP2000 Result

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**Acer Incorporated**  
Acer Altos R520 (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: Nov-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.amp	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: 12K(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.EL.smp )  
Compiler: Intel C++ Compiler 9.0 Build 20051201 for EM64T  
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

This result was measured on the Acer Alto R720.

The Altos R520 and Altos R720 are electronically equivalent.