



# CFP2000 Result

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**Acer Incorporated**  
Acer Altos R520 (1.86 GHz Intel Xeon Processor 5120)

SPECfp\_rate2000 = 59.0  
SPECfp\_rate\_base2000 = 59.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	87.6	84.8	4	87.6	84.8
171.swim	4	342	42.1	4	342	42.1
172.mgrid	4	219	38.1	4	219	38.1
173.applu	4	237	41.1	4	237	41.1
177.mesa	4	74.8	86.8	4	74.8	86.8
178.galgel	4	89.3	151	4	89.3	151
179.art	4	70.1	172	4	70.1	172
183.equake	4	166	36.4	4	166	36.4
187.facerec	4	118	74.6	4	118	74.6
188.amp	4	173	59.1	4	173	59.1
189.lucas	4	216	42.9	4	216	42.9
191.fma3d	4	220	44.3	4	220	44.3
200.sixtrack	4	157	32.6	4	157	32.6
301.apsi	4	242	49.9	4	242	49.9

### Hardware

CPU: Intel Xeon Processor 5120 (1.86 GHz, 4MB L2, 1066MHz system bus)  
 CPU MHz: 1866  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
 Secondary Cache: 4096KB(I+D) on chip (per chip), shared  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8 x 2048MB ECC FB-DIMM DDR2-667  
 Disk Subsystem: 1 x 73GB 10000RPM SAS HDD  
 Other Hardware:

### Software

Operating System: Red Hat Enterprise Linux 4 Advanced Server Update 3 EM64T  
 Compiler: Intel C++ 9.1 for EM64T build 20060323 and Fortran Compiler 9.1 for EM64T build 20060323  
 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

This result was measured on the Acer Alto R720.  
 The Altos R520 and Altos R720 are electronically equivalent.