



# CFP2000 Result

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

SPECfp\_rate2000 = 33.9  
SPECfp\_rate\_base2000 = 33.9

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	2	69.1	53.7	2	69.1	53.7
171.swim	2	262	27.4	2	262	27.4
172.mgrid	2	174	24.0	2	174	24.0
173.applu	2	186	26.2	2	186	26.2
177.mesa	2	74.3	43.7	2	74.3	43.7
178.galgel	2	84.5	79.6	2	84.5	79.6
179.art	2	63.3	95.3	2	63.3	95.3
183.quake	2	119	25.3	2	119	25.3
187.facerec	2	110	39.9	2	110	39.9
188.amp	2	173	29.5	2	173	29.5
189.lucas	2	182	25.6	2	182	25.6
191.fma3d	2	190	25.7	2	190	25.7
200.sixtrack	2	156	16.3	2	156	16.3
301.apsi	2	228	26.4	2	228	26.4

### Hardware

CPU: Intel Xeon Processor 5120 (1.86 GHz, 4MB L2, 1066MHz system bus)  
CPU MHz: 1866  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 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.