



# CFP2000 Result

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**Dell**  
PowerEdge 1950 (Intel Xeon processor 5120, 1.86GHz)

SPECfp\_rate2000 = 65.0  
SPECfp\_rate\_base2000 = 65.0

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jun-2006 | Hardware Avail: Jul-2006 | Software Avail: Mar-2006

250	200	150	100	50	Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
					168.wupwise	4	81.5	91.1	4	81.5	91.1
					171.swim	4	297	48.4	4	297	48.4
					172.mgrid	4	218	38.3	4	218	38.3
					173.applu	4	204	47.8	4	204	47.8
					177.mesa	4	71.4	90.9	4	71.4	90.9
					178.galgel	4	80.5	167	4	80.5	167
					179.art	4	59.3	203	4	59.3	203
					183.equake	4	131	46.1	4	131	46.1
					187.facerec	4	99.5	88.6	4	99.5	88.6
					188.amp	4	176	57.9	4	176	57.9
					189.lucas	4	175	53.0	4	175	53.0
					191.fma3d	4	200	48.6	4	200	48.6
					200.sixtrack	4	156	32.8	4	156	32.8
					301.apsi	4	248	48.6	4	248	48.6

### Hardware

CPU: Intel Xeon processor 5120 (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, shared  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8 x 1GB 667MHz ECC CL5 DDR2 FB-DIMM  
 Disk Subsystem: 1 x 80GB SATA 7200 RPM  
 Other Hardware: None

### Software

Operating System: Red Hat Enterprise Linux 4 Advanced Server Update 3 EM64T  
 Compiler: Intel C++ and Fortran Compiler 9.0 for EM64T Builds 20060120 and 20051201  
 File System: ext3  
 System State: Runlevel 3

## Notes/Tuning Information

### GENERAL

ONESTEP=yes for all benchmarks

+FDO implies feedback-directed optimization 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

### BIOS SETTINGS

Snoop Filter enabled in BIOS