



# CFP2000 Result

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Dell

PowerEdge 1950 (Intel Xeon processor 5140, 2.33GHz)

SPECfp\_rate2000 = 75.9

SPECfp\_rate\_base2000 = 75.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	71.3	104	4	71.3	104
171.swim	4	266	54.1	4	266	54.1
172.mgrid	4	200	41.8	4	200	41.8
173.applu	4	177	55.1	4	177	55.1
177.mesa	4	57.6	113	4	57.6	113
178.galgel	4	66.6	202	4	66.6	202
179.art	4	51.4	235	4	51.4	235
183.equake	4	118	51.0	4	118	51.0
187.facerec	4	83.9	105	4	83.9	105
188.amp	4	144	70.8	4	144	70.8
189.lucas	4	155	59.9	4	155	59.9
191.fma3d	4	172	56.5	4	172	56.5
200.sixtrack	4	125	40.9	4	125	40.9
301.apsi	4	210	57.4	4	210	57.4

### Hardware

CPU: Intel Xeon processor 5140 (1333MHz system bus)  
 CPU MHz: 2333  
 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