



# CFP2000 Result

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**Dell**  
PowerEdge 1950 (Intel Xeon processor 5140, 2.33GHz)

SPECfp2000 = **2394**  
SPECfp\_base2000 = **2394**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	50.6	3165	50.6	3165
171.swim	3100	123	2515	123	2515
172.mgrid	1800	112	1610	112	1610
173.applu	2100	107	1965	107	1965
177.mesa	1400	56.2	2492	56.2	2492
178.galgel	2900	52.7	5507	52.7	5507
179.art	2600	28.1	9253	28.1	9253
183.quake	1300	56.0	2322	56.0	2322
187.facerec	1900	66.4	2863	66.4	2863
188.amp	2200	129	1709	129	1709
189.lucas	2000	82.0	2439	82.0	2439
191.fma3d	2100	120	1756	120	1756
200.sixtrack	1100	123	893	123	893
301.apsi	2600	178	1465	178	1465

### 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