



# CFP2000 Result

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**Dell**  
PowerEdge 2950 (3.73GHz Intel Xeon processor 5080)

SPECfp\_rate2000 = 66.4  
SPECfp\_rate\_base2000 = 66.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	77.5	95.7	4	77.5	95.7
171.swim	4	291	49.4	4	291	49.4
172.mgrid	4	189	44.2	4	189	44.2
173.applu	4	202	48.2	4	202	48.2
177.mesa	4	71.0	91.5	4	71.0	91.5
178.galgel	4	88.7	152	4	88.7	152
179.art	4	55.2	218	4	55.2	218
183.equake	4	128	47.2	4	128	47.2
187.facerec	4	113	78.0	4	113	78.0
188.amp	4	168	60.8	4	168	60.8
189.lucas	4	188	49.4	4	188	49.4
191.fma3d	4	194	50.3	4	194	50.3
200.sixtrack	4	148	34.5	4	148	34.5
301.apsi	4	219	55.2	4	219	55.2

### Hardware

CPU: Intel Xeon Processor 5080 (3.73GHz, 2x2MB L2, 1066MHz system bus)  
CPU MHz: 3733  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip, per core  
Secondary Cache: 2048KB(I+D) on chip, per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 1GB 533MHz ECC CL4 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

Enabled 'Snoop Filter' in BIOS