



# CFP2000 Result

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Dell

PowerEdge 1950 (Intel Xeon processor E5345, 2.33 GHz)

SPECfp\_rate2000 = 96.3

SPECfp\_rate\_base2000 = 96.3

SPEC license #: 55 | Tested by: Dell, Inc., Round Rock, TX | Test date: Nov-2006 | Hardware Avail: Dec-2006 | Software Avail: Aug-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	141	105	8	141	105
171.swim	8	556	51.8	8	556	51.8
172.mgrid	8	358	46.6	8	358	46.6
173.applu	8	370	52.7	8	370	52.7
177.mesa	8	60.9	213	8	60.9	213
178.galgel	8	89.7	300	8	89.7	300
179.art	8	93.1	259	8	93.1	259
183.equake	8	238	50.7	8	238	50.7
187.facerec	8	139	126	8	139	126
188.amp	8	149	137	8	149	137
189.lucas	8	323	57.5	8	323	57.5
191.fma3d	8	304	64.0	8	304	64.0
200.sixtrack	8	126	81.1	8	126	81.1
301.apsi	8	238	101	8	238	101

### Hardware

CPU: Quad-Core Intel Xeon processor E5345 (1333 MHz system bus)  
CPU MHz: 2333  
FPU: Integrated  
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8 MB I+D on chip, per chip (4 MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 GB (8 x 1 GB 667 MHz CL5 FB-DIMM DDR2 SDRAM)  
Disk Subsystem: 1 x 80GB SATA 7200 RPM  
Other Hardware: None

### Software

Operating System: Red Hat Enterprise Linux 4 Advanced Server Update 4 EM64T  
Compiler: Intel C++ Compiler 9.0 for EM64T Build 20060120  
Intel Fortran Compiler 9.0 for EM64T Build 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

Adjacent Cache Line Prefetch disabled in BIOS