



# CFP2000 Result

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**Dell**  
PowerEdge 830 (3.4GHz Intel Pentium D 950)

SPECfp\_rate2000 = 37.4  
SPECfp\_rate\_base2000 = 37.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	62.0	59.9	2	62.0	59.9
171.swim	2	230	31.2	2	230	31.2
172.mgrid	2	145	28.9	2	145	28.9
173.applu	2	175	27.9	2	175	27.9
177.mesa	2	78.1	41.6	2	78.1	41.6
178.galgel	2	91.7	73.4	2	91.7	73.4
179.art	2	51.8	116	2	51.8	116
183.equake	2	87.8	34.3	2	87.8	34.3
187.facerec	2	102	43.3	2	102	43.3
188.amp	2	164	31.1	2	164	31.1
189.lucas	2	153	30.4	2	153	30.4
191.fma3d	2	167	29.2	2	167	29.2
200.sixtrack	2	161	15.9	2	161	15.9
301.apsi	2	204	29.6	2	204	29.6

### Hardware

CPU: Intel Pentium D 950 (3.4GHz, 2x2M L2, 800MHz system bus)  
CPU MHz: 3400  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
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: 4 x 1GB (dual-ranked) ECC 533MHz DDR2 SDRAM  
Disk Subsystem: 1 x 36GB SCSI 15000 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