



CFP2000 Result

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Dell

PowerEdge 2950 (Intel Xeon processor E5320, 1.86 GHz)

SPECfp_rate2000 = 81.1

SPECfp_rate_base2000 = 81.1

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	135	110	8	135	110
171.swim	8	586	49.1	8	586	49.1
172.mgrid	8	412	40.5	8	412	40.5
173.applu	8	385	50.6	8	385	50.6
177.mesa	8	73.1	178	8	73.1	178
178.galgel	8	118	229	8	118	229
179.art	8	168	144	8	168	144
183.quake	8	275	43.8	8	275	43.8
187.facerec	8	182	96.7	8	182	96.7
188.amp	8	178	115	8	178	115
189.lucas	8	332	55.8	8	332	55.8
191.fma3d	8	332	58.8	8	332	58.8
200.sixtrack	8	159	64.4	8	159	64.4
301.apsi	8	302	80.0	8	302	80.0

Hardware

CPU: Quad-Core Intel Xeon processor E5320 (1066 MHz system bus)
 CPU MHz: 1866
 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