CFP2000 Result

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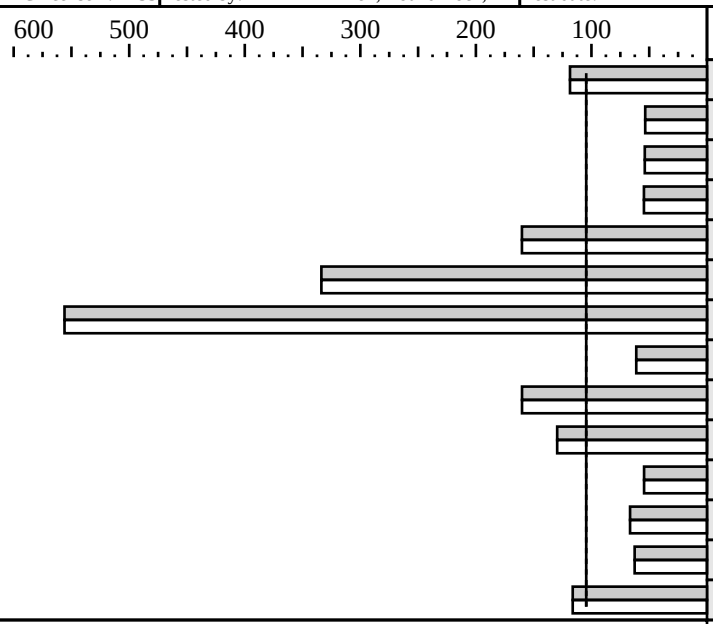
Dell

PowerEdge 6850 (Intel Xeon processor 7140M, 3.40GHz)

SPECfp_rate2000 = 105

SPECfp_rate_base2000 = 105

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	125	119	8	125	119
171.swim	8	538	53.5	8	538	53.5
172.mgrid	8	310	53.8	8	310	53.8
173.applu	8	357	54.6	8	357	54.6
177.mesa	8	81.1	160	8	81.1	160
178.galgel	8	80.6	334	8	80.6	334
179.art	8	43.4	556	8	43.4	556
183.equake	8	197	61.2	8	197	61.2
187.facerec	8	110	160	8	110	160
188.ammp	8	157	130	8	157	130
189.lucas	8	341	54.4	8	341	54.4
191.fma3d	8	293	66.6	8	293	66.6
200.sixtrack	8	163	62.6	8	163	62.6
301.apsi	8	208	116	8	208	116

Hardware

CPU:	Intel Xeon processor 7140M (800MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2,3,4
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip, per core
Secondary Cache:	1024KB(I+D) on chip, per core
L3 Cache:	16384KB on chip, per chip
Other Cache:	N/A
Memory:	8x2GB (dual-ranked) ECC 400MHz DDR2 SDRAM
Disk Subsystem:	1 x 73GB 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
This result was measured on the Dell PowerEdge 6850.
 The PowerEdge 6800 and PowerEdge 6850 are electronically equivalent.
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