CFP2000 Result

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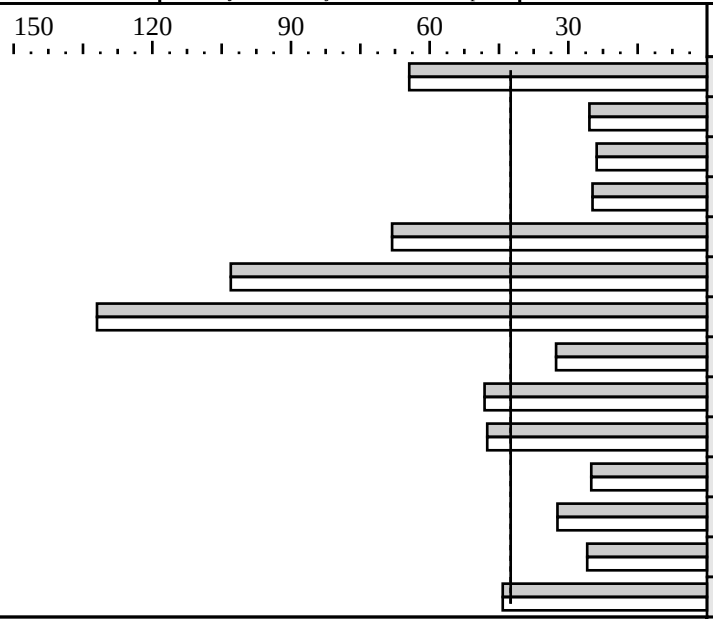
Fujitsu Siemens Computers

PRIMERGY RX300 S2, Dual-Core Intel Xeon 2.80 GHz

SPECfp_rate2000 = 42.5

SPECfp_rate_base2000 = 42.5

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Sep-2005 | Hardware Avail: Nov-2005 | Software Avail: Sep-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	115	64.4	4	115	64.4
171.swim	4	565	25.4	4	565	25.4
172.mgrid	4	350	23.9	4	350	23.9
173.applu	4	393	24.8	4	393	24.8
177.mesa	4	95.4	68.1	4	95.4	68.1
178.galgel	4	131	103	4	131	103
179.art	4	91.4	132	4	91.4	132
183.equake	4	185	32.6	4	185	32.6
187.facerec	4	183	48.1	4	183	48.1
188.ammp	4	215	47.5	4	215	47.5
189.lucas	4	371	25.0	4	371	25.0
191.fma3d	4	301	32.4	4	301	32.4
200.sixtrack	4	197	25.9	4	197	25.9
301.apsi	4	273	44.2	4	273	44.2

Hardware

CPU:	Dual-Core Intel Xeon 2.80 GHz (800 MHz bus)
CPU MHz:	2800
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 micro-ops I + 16KBD on chip, per core
Secondary Cache:	2048KB(I+D) on chip, per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x512 MB DDRII-RAM PC2-3200R
Disk Subsystem:	Fujitsu MAS3367NC (SCSI U320, 15krpm, 36GB)
Other Hardware:	none

Software

Operating System:	64-Bit Red Hat Enterprise Linux AS release 4 update 1 Kernel 2.6.9-11.ELsmp on an x86_64
Compiler:	Intel C++ and Fortran Compiler 9.0 for EM64T Build 20050914 (for 64-bit applications)
File System:	ext3
System State:	Multi-user run level 3

Notes/Tuning Information

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GENERAL
+FDO implies feedback-directed optimization PASS1: -prof_gen  PASS2: -prof_use

Optimization flags
ONESTEP=yes set for all benchmarks

Portability flags
-DSPEC_CPU2000_LP64 applied to all benchmarks

Base tuning flags
   for Fortran and C programs: -fast +FDO

Peak tuning flags
   same as baseline (basepeak=true set globally)

The system bus runs at 800 MHz
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Notes/Tuning Information (Continued)

This result was measured with 64-bit binaries using the 64-bit version of the operating system.

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