CFP2000 Result

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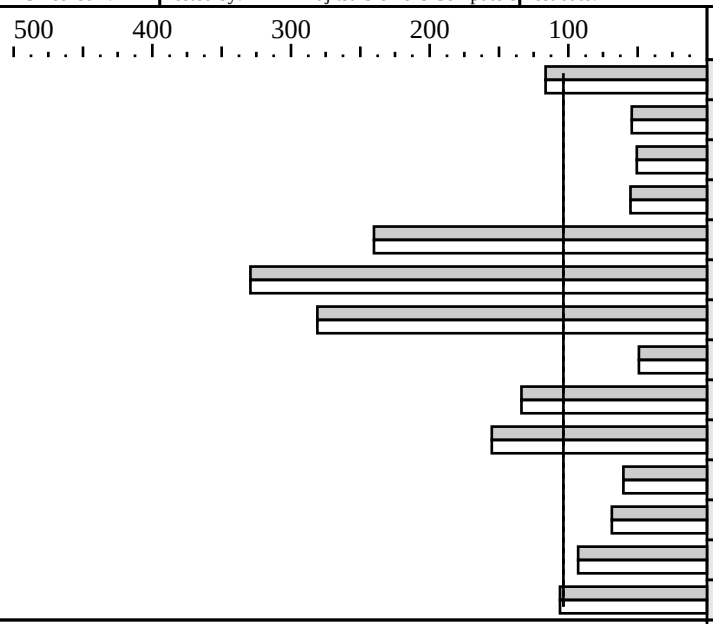
Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon processor X5355, 2.66 GHz

SPECfp_rate2000 = 104

SPECfp_rate_base2000 = 104

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Oct-2006 | Hardware Avail: Jan-2007 | Software Avail: Aug-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	128	116	8	128	116
171.swim	8	530	54.3	8	530	54.3
172.mgrid	8	330	50.6	8	330	50.6
173.applu	8	353	55.2	8	353	55.2
177.mesa	8	54.1	240	8	54.1	240
178.galgel	8	81.7	329	8	81.7	329
179.art	8	85.9	281	8	85.9	281
183.equake	8	246	49.1	8	246	49.1
187.facerec	8	132	134	8	132	134
188.ammp	8	132	155	8	132	155
189.lucas	8	308	60.3	8	308	60.3
191.fma3d	8	284	68.6	8	284	68.6
200.sixtrack	8	110	92.9	8	110	92.9
301.apsi	8	228	106	8	228	106

Hardware

CPU:	Intel Xeon processor X5355 (2.66 GHz, 2x4MB L2, 1333 MHz system bus)
CPU MHz:	2666
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:	8MB(I+D) on chip, per chip (4MB shared per 2 cores)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)
Disk Subsystem:	Seagate ST336754SS (SAS, 15.4krpm, 36GB)
Other Hardware:	none

Software

Operating System:	64-Bit SUSE LINUX Enterprise Server 10 Kernel 2.6.16.21-0.8-smp on an x86_64
Compiler:	Intel C++ and Fortran Compiler 9.1 for EM64T Build 20060816 (for 64-bit applications)
File System:	ext2
System State:	Multi-user runlevel 3

Notes/Tuning Information

```
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
178.galgel: -FI for fixed-format Fortran

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

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

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Notes/Tuning Information (Continued)

The system bus runs at 1333 MHz

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

BIOS Configuration:
Adjacent Sector Prefetch = disable

The PRIMERGY RX300 S3 and the PRIMERGY TX300 S3 are electronically equivalent.

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