CFP2000 Result

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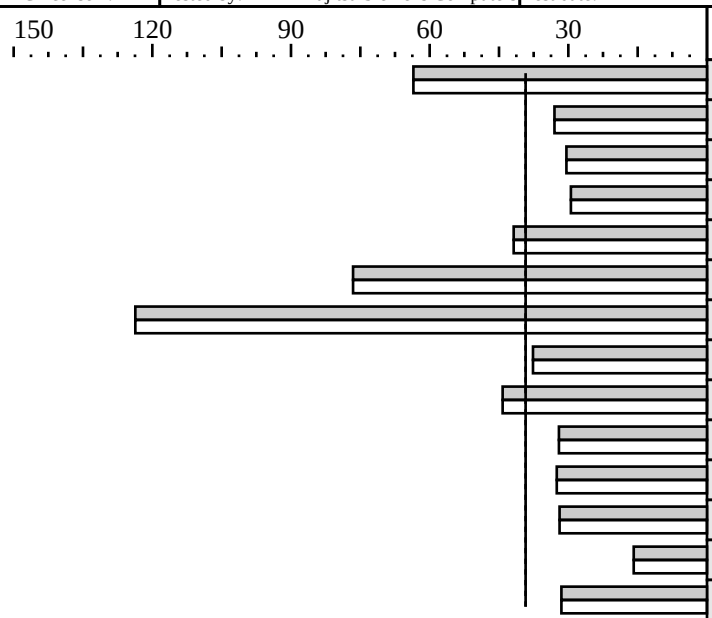
Fujitsu Siemens Computers

PRIMERGY RX100 S4, Intel Pentium D processor 945, 3.40 GHz

SPECfp_rate2000 = 39.2

SPECfp_rate_base2000 = 39.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	58.4	63.5	2	58.4	63.5
171.swim	2	218	33.0	2	218	33.0
172.mgrid	2	137	30.4	2	137	30.4
173.applu	2	165	29.4	2	165	29.4
177.mesa	2	77.7	41.8	2	77.7	41.8
178.galgel	2	87.9	76.6	2	87.9	76.6
179.art	2	48.8	124	2	48.8	124
183.equake	2	80.1	37.6	2	80.1	37.6
187.facerec	2	99.7	44.2	2	99.7	44.2
188.ammp	2	159	32.0	2	159	32.0
189.lucas	2	143	32.5	2	143	32.5
191.fma3d	2	153	31.9	2	153	31.9
200.sixtrack	2	161	15.9	2	161	15.9
301.apsi	2	192	31.5	2	192	31.5

Hardware

CPU:	Intel Pentium D processor 945 (3.40 GHz, 2x2MB L2, 800 MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Parallel:	No
Primary Cache:	12k micro-ops(I) + 16KB(D) on chip, per core
Secondary Cache:	2048KB(I+D) on chip, per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2GB DDRII-RAM PC2-4200E (CAS 4-4-4)
Disk Subsystem:	Seagate ST3146854SS (SAS, 15.4krpm, 146GB)
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 9.0 for EM64T Build 20060120 (for 64-bit applications)
File System:	ext3
System State:	Multi-user run level 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 800 MHz

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

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