CFP2000 Result

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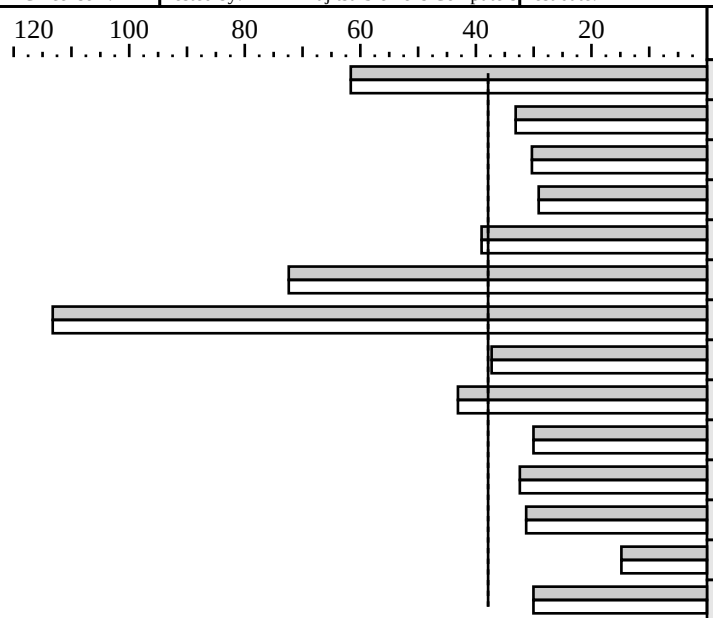
Fujitsu Siemens Computers

PRIMERGY TX150 S4, Intel Pentium D 940 processor, 3.20 GHz

SPECfp_rate2000 = 37.9

SPECfp_rate_base2000 = 37.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	60.2	61.7	2	60.2	61.7
171.swim	2	217	33.1	2	217	33.1
172.mgrid	2	138	30.3	2	138	30.3
173.applu	2	167	29.1	2	167	29.1
177.mesa	2	83.3	39.0	2	83.3	39.0
178.galgel	2	92.9	72.4	2	92.9	72.4
179.art	2	53.3	113	2	53.3	113
183.equake	2	80.9	37.3	2	80.9	37.3
187.facerec	2	102	43.1	2	102	43.1
188.ammp	2	170	30.0	2	170	30.0
189.lucas	2	143	32.4	2	143	32.4
191.fma3d	2	156	31.3	2	156	31.3
200.sixtrack	2	172	14.8	2	172	14.8
301.apsi	2	201	30.0	2	201	30.0

Hardware

CPU:	Intel Pentium D 940 processor (3.20 GHz, 2x2MB SLC, 800 MHz system bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
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:	4x2048 MB DDRII-RAM PC2-4200E
Disk Subsystem:	Fujitsu MAS3735NC (SCSI, 15 krpm, 73GB)
Other Hardware:	none

Software

Operating System:	64-Bit SUSE LINUX Enterprise Server 9 with SP3 Kernel 2.6.5-7.244-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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