CFP2000 Result

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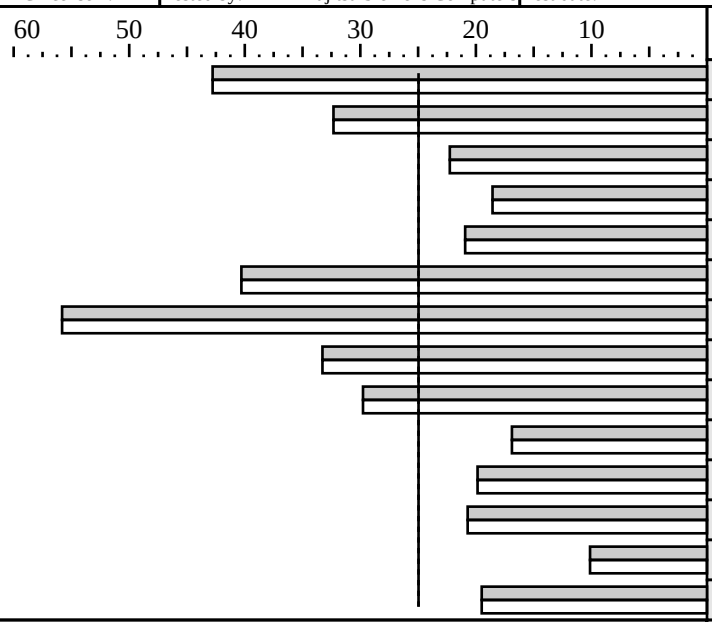
Fujitsu Siemens Computers

PRIMERGY TX150 S4, Intel Pentium 4 651 processor, 3.40 GHz

SPECfp_rate2000 = 25.0

SPECfp_rate_base2000 = 25.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	86.8	42.8	2	86.8	42.8
171.swim	2	222	32.3	2	222	32.3
172.mgrid	2	188	22.3	2	188	22.3
173.applu	2	262	18.6	2	262	18.6
177.mesa	2	155	20.9	2	155	20.9
178.galgel	2	167	40.3	2	167	40.3
179.art	2	108	55.8	2	108	55.8
183.equake	2	90.6	33.3	2	90.6	33.3
187.facerec	2	148	29.8	2	148	29.8
188.ammp	2	302	16.9	2	302	16.9
189.lucas	2	234	19.9	2	234	19.9
191.fma3d	2	235	20.7	2	235	20.7
200.sixtrack	2	252	10.1	2	252	10.1
301.apsi	2	309	19.5	2	309	19.5

Hardware

CPU:	Intel Pentium 4 651 processor (3.40 GHz, 2MB SLC, 800 MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
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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