CFP2000 Result

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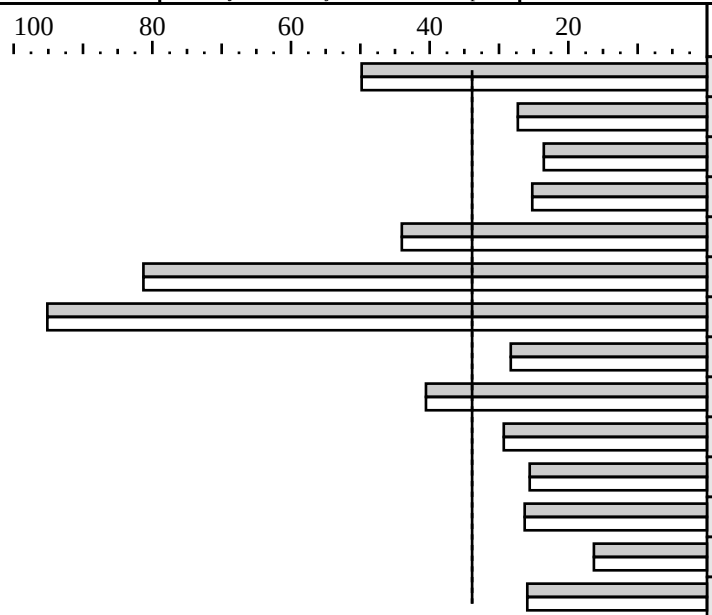
Fujitsu Siemens Computers

PRIMERGY TX300 S3, Intel Xeon 5120 processor, 1.86 GHz

SPECfp_rate2000 = 33.9

SPECfp_rate_base2000 = 33.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	74.5	49.8	2	74.5	49.8
171.swim	2	264	27.3	2	264	27.3
172.mgrid	2	177	23.5	2	177	23.5
173.applu	2	193	25.2	2	193	25.2
177.mesa	2	73.8	44.0	2	73.8	44.0
178.galgel	2	82.8	81.3	2	82.8	81.3
179.art	2	63.4	95.1	2	63.4	95.1
183.equake	2	107	28.3	2	107	28.3
187.facerec	2	109	40.5	2	109	40.5
188.ammp	2	174	29.3	2	174	29.3
189.lucas	2	181	25.6	2	181	25.6
191.fma3d	2	185	26.3	2	185	26.3
200.sixtrack	2	156	16.3	2	156	16.3
301.apsi	2	233	25.9	2	233	25.9

Hardware

CPU:	Intel Xeon 5120 processor (1.86 GHz, 4MB SLC, 1066 MHz system bus)
CPU MHz:	1866
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	4096KB(I+D) on chip, per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x1024 MB DDRII-RAM PC2-4200F (CAS 4-4-4)
Disk Subsystem:	Seagate ST336754SS (SAS, 15.4krpm, 36GB)
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:	ext2
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 1066 MHz

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

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