CFP2000 Result

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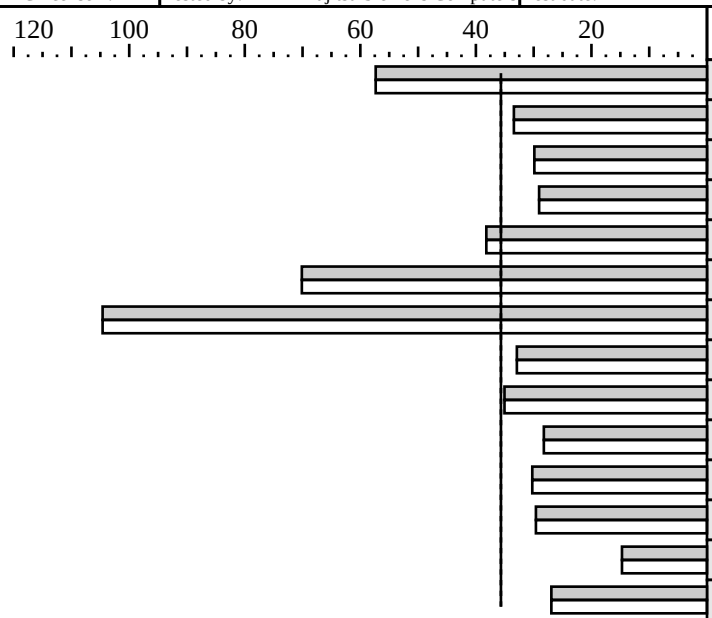
Fujitsu Siemens Computers

PRIMERGY RX200 S3, Intel Xeon 5060 processor, 3.20 GHz

SPECfp_rate2000 = 35.7

SPECfp_rate_base2000 = 35.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	64.7	57.3	2	64.7	57.3
171.swim	2	215	33.4	2	215	33.4
172.mgrid	2	140	29.9	2	140	29.9
173.applu	2	168	29.1	2	168	29.1
177.mesa	2	85.0	38.2	2	85.0	38.2
178.galgel	2	95.9	70.1	2	95.9	70.1
179.art	2	57.7	105	2	57.7	105
183.equake	2	91.7	32.9	2	91.7	32.9
187.facerec	2	126	35.0	2	126	35.0
188.ammp	2	181	28.2	2	181	28.2
189.lucas	2	153	30.2	2	153	30.2
191.fma3d	2	165	29.6	2	165	29.6
200.sixtrack	2	173	14.7	2	173	14.7
301.apsi	2	224	26.9	2	224	26.9

Hardware

CPU:	Intel Xeon 5060 processor (3.20 GHz, 2x2MB L2, 1066 MHz system bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
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:	8x1GB 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:	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 1066 MHz

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

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