CFP2000 Result

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Fujitsu Siemens Computers

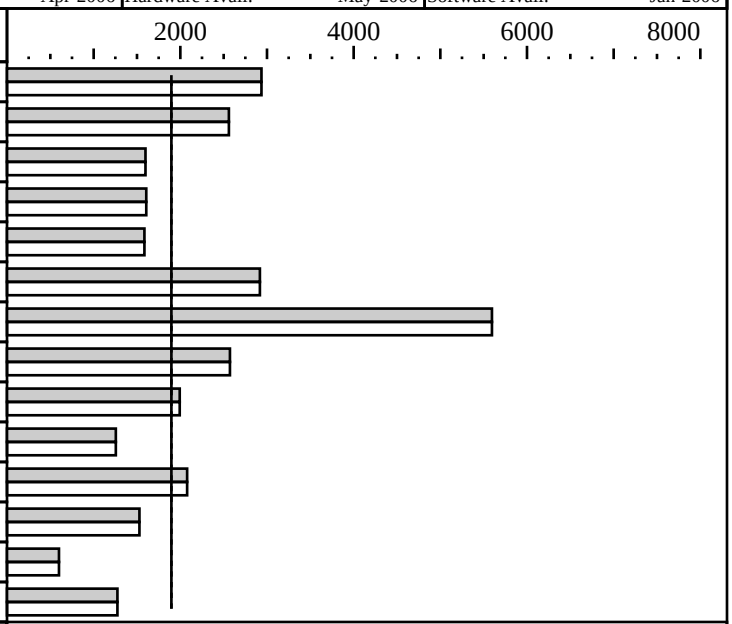
PRIMERGY TX150 S4, Intel Pentium 4 631 processor, 3.0 GHz

SPECfp2000 = 1897

SPECfp_base2000 = 1897

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	54.5	2936	54.5	2936
171.swim	3100	121	2560	121	2560
172.mgrid	1800	113	1598	113	1598
173.applu	2100	131	1607	131	1607
177.mesa	1400	88.3	1586	88.3	1586
178.galgel	2900	99.4	2918	99.4	2918
179.art	2600	46.5	5596	46.5	5596
183.equake	1300	50.5	2572	50.5	2572
187.facerec	1900	95.3	1993	95.3	1993
188.ammp	2200	175	1256	175	1256
189.lucas	2000	96.2	2078	96.2	2078
191.fma3d	2100	137	1528	137	1528
200.sixtrack	1100	183	600	183	600
301.apsi	2600	204	1274	204	1274



Hardware

CPU:	Intel Pentium 4 631 processor (3.0 GHz, 2MB L2, 800 MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
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:	4x2GB DDRII-RAM PC2-4200E (CAS 4-4-4)
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

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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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