



CFP2000 Result

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Fujitsu Siemens Computers

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

SPECfp2000 = 2095

SPECfp_base2000 = 2095

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	49.6	3225	49.6	3225	
171.swim	3100	116	2668	116	2668	
172.mgrid	1800	102	1771	102	1771	
173.applu	2100	119	1768	119	1768	
177.mesa	1400	78.1	1792	78.1	1792	
178.galgel	2900	85.4	3394	85.4	3394	
179.art	2600	42.0	6185	42.0	6185	
183.earth	1300	47.0	2768	47.0	2768	
187.facerec	1900	86.4	2199	86.4	2199	
188.amp	2200	156	1409	156	1409	
189.lucas	2000	89.5	2234	89.5	2234	
191.fma3d	2100	125	1676	125	1676	
200.sixtrack	1100	162	680	162	680	
301.apsi	2600	183	1419	183	1419	

Hardware

CPU: Intel Pentium 4 651 processor (3.40 GHz, 2MB L2, 800 MHz system bus)
CPU MHz: 3400
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

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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