Fujitsu Siemens Computers
PRIMERGY RX600 S3, Intel Xeon processor 7140M, 3.40 GHz

SPECfp_rate2000 = 108
SPECfp_rate_base2000 = 108

Hardware

CPU: Intel Xeon processor 7140M (3.40 GHz, 2x1MB L2, 1024MB L3, 800 MHz system bus)
CPU MHz: 3400
FPU: Integrated
CPU(s) enabled: 8 cores, 4 chips, 2 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable: 1,2,4 chips
Parallel: No
Primary Cache: 12k micro-ops(I) + 16KB(D) on chip, per core
Secondary Cache: 1024KB(I+D) on chip, per core
L3 Cache: 16MB on chip, per chip
Other Cache: N/A
Memory: 16x1GB DDRII-RAM PC2-3200R (CAS 3-3-3)
Disk Subsystem: Fujitsu MAS3367NC (SCSI, 15krpm, 36GB)
Other Hardware: none

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)
<table>
<thead>
<tr>
<th>Notes/Tuning Information (Continued)</th>
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<tbody>
<tr>
<td>The system bus runs at 800 MHz</td>
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<tr>
<td>This result was measured with 64-bit binaries using the 64-bit version of the operating system.</td>
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<tr>
<td>This result was measured on the PRIMERGY TX600 S3. The PRIMERGY TX600 S3 and the PRIMERGY RX600 S3 are electronically equivalent.</td>
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<td>BIOS Configuration:</td>
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<td>Adjacent Sector Prefetch = Disable</td>
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<td>For information about Fujitsu Siemens Computers in your country please see: <a href="http://www.fujitsu-siemens.com/countries">http://www.fujitsu-siemens.com/countries</a></td>
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