Fujitsu Siemens Computers
PRIMERGY BX620 S3, Intel Xeon 5080 processor, 3.73 GHz

SPECFp_rate2000 = 38.4
SPECFp_rate_base2000 = 38.4

### Benchmark Results

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Base Copies</th>
<th>Base Runtime</th>
<th>Base Ratio</th>
<th>Copies</th>
<th>Runtime</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>168.wupwise</td>
<td>2</td>
<td>61.2</td>
<td>60.7</td>
<td>2</td>
<td>61.2</td>
<td>60.7</td>
</tr>
<tr>
<td>171.swim</td>
<td>2</td>
<td>215</td>
<td>33.5</td>
<td>2</td>
<td>215</td>
<td>33.5</td>
</tr>
<tr>
<td>172.mgrid</td>
<td>2</td>
<td>137</td>
<td>30.4</td>
<td>2</td>
<td>137</td>
<td>30.4</td>
</tr>
<tr>
<td>173.applu</td>
<td>2</td>
<td>162</td>
<td>30.0</td>
<td>2</td>
<td>162</td>
<td>30.0</td>
</tr>
<tr>
<td>177.mesa</td>
<td>2</td>
<td>73.4</td>
<td>44.3</td>
<td>2</td>
<td>73.4</td>
<td>44.3</td>
</tr>
<tr>
<td>178.galgel</td>
<td>2</td>
<td>85.2</td>
<td>78.9</td>
<td>2</td>
<td>85.2</td>
<td>78.9</td>
</tr>
<tr>
<td>179.art</td>
<td>2</td>
<td>52.4</td>
<td>115</td>
<td>2</td>
<td>52.4</td>
<td>115</td>
</tr>
<tr>
<td>183.equate</td>
<td>2</td>
<td>91.3</td>
<td>33.0</td>
<td>2</td>
<td>91.3</td>
<td>33.0</td>
</tr>
<tr>
<td>187.facerec</td>
<td>2</td>
<td>116</td>
<td>38.0</td>
<td>2</td>
<td>116</td>
<td>38.0</td>
</tr>
<tr>
<td>188.ammp</td>
<td>2</td>
<td>161</td>
<td>31.7</td>
<td>2</td>
<td>161</td>
<td>31.7</td>
</tr>
<tr>
<td>189.lucas</td>
<td>2</td>
<td>150</td>
<td>30.9</td>
<td>2</td>
<td>150</td>
<td>30.9</td>
</tr>
<tr>
<td>191.fma3d</td>
<td>2</td>
<td>154</td>
<td>31.7</td>
<td>2</td>
<td>154</td>
<td>31.7</td>
</tr>
<tr>
<td>200.sixtrack</td>
<td>2</td>
<td>149</td>
<td>17.1</td>
<td>2</td>
<td>149</td>
<td>17.1</td>
</tr>
<tr>
<td>301.apsi</td>
<td>2</td>
<td>200</td>
<td>30.1</td>
<td>2</td>
<td>200</td>
<td>30.1</td>
</tr>
</tbody>
</table>

### Hardware

- **CPU:** Intel Xeon 5080 processor (3.73 GHz, 2x2MB L2, 1066 MHz system bus)
- **CPU MHz:** 3733
- **Primary Cache:** 12k micro-ops + 16KBD on chip, per core
- **Secondary Cache:** 2048KB(I+D) on chip, per core
- **L3 Cache:** N/A
- **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

### Software

- **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)
Fujitsu Siemens Computers
PRIMERGY BX620 S3, Intel Xeon 5080 processor, 3.73 GHz

SPECfp_rate2000 = 38.4
SPECfp_rate_base2000 = 38.4

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.

For information about Fujitsu Siemens Computers in your country please see: http://www.fujitsu-siemens.com/countries