# CFP2000 Result

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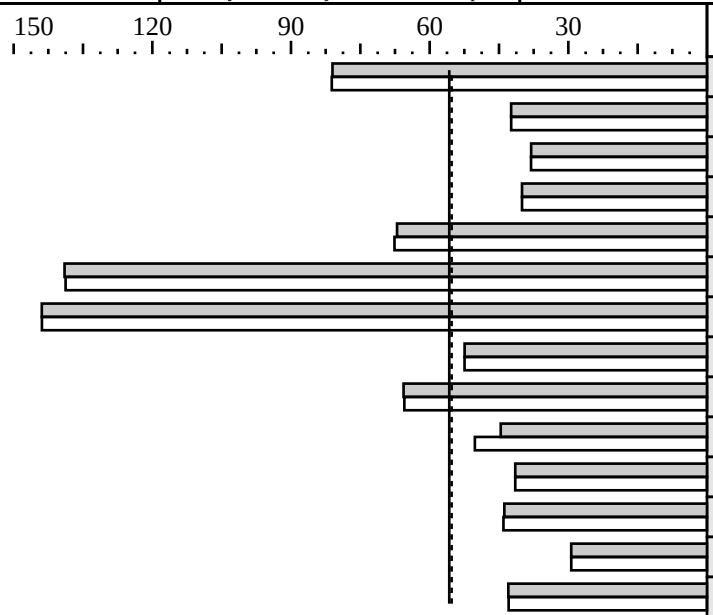
## Fujitsu Siemens Computers

## CELSIUS R540, Intel Xeon 5110 processor

SPECfp_rate2000 = 55.8

SPECfp_rate_base2000 = 55.3

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 4 | 91.6 | 81.0 | 4 | 91.5 | 81.2 |
| 171.swim | 4 | 339 | 42.4 | 4 | 340 | 42.4 |
| 172.mgrid | 4 | 220 | 38.0 | 4 | 219 | 38.1 |
| 173.applu | 4 | 243 | 40.0 | 4 | 243 | 40.0 |
| 177.mesa | 4 | 96.9 | 67.1 | 4 | 96.1 | 67.6 |
| 178.galgel | 4 | 96.8 | 139 | 4 | 97.0 | 139 |
| 179.art | 4 | 83.8 | 144 | 4 | 83.8 | 144 |
| 183.equake | 4 | 115 | 52.4 | 4 | 115 | 52.5 |
| 187.facerec | 4 | 134 | 65.6 | 4 | 135 | 65.5 |
| 188.ammp | 4 | 229 | 44.6 | 4 | 203 | 50.2 |
| 189.lucas | 4 | 224 | 41.5 | 4 | 224 | 41.5 |
| 191.fma3d | 4 | 222 | 43.8 | 4 | 221 | 44.0 |
| 200.sixtrack | 4 | 174 | 29.4 | 4 | 174 | 29.4 |
| 301.apsi | 4 | 281 | 43.0 | 4 | 281 | 42.9 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon 5110 processor (1.6 GHz, 1066 MHz system bus) |
| CPU MHz: | 1600 |
| FPU: | Integrated |
| CPU(s) enabled: | 4 cores, 2 chips, 2 cores/chip |
| CPU(s) orderable: | 1,2 chips |
| Parallel: | No |
| Primary Cache: | 32KBI + 32KBD on chip, per core |
| Secondary Cache: | 4096KB(I+D) on chip, per chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 4 GB (4x1 GB DDR2 5300F, 2rank, CL5-5-5, with ECC) |
| Disk Subsystem: | Serial ATA 7200 rpm |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows XP, 64 bit Edition |
| Compiler: | Intel(R) C++ Compiler for 32-bit app., Version 9.1,<br>- Build 20060519Z Package ID: W_CC_P_9.1.025<br>Intel(R) Fortran Compiler for 32-bit app., Version 9.1,<br>- Build 20060519Z Package ID: W_FC_P_9.1.025<br>Microsoft Visual Studio .NET 2003 (for libraries)<br>MicroQuill SmartHeap Library, Version 8 (shlW32M.lib) |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
Portability flags:
 178.galgel:  -FI /F32000000

Feedback optimization:
  +FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:
 for C programs:
 -fast +FDO shlW32M.lib
 for Fortran programs:
 -fast +FDO shlW32M.lib

Peak Tuning Flags:
 173.applu:      basepeak=yes
 168.wupwise:  -fast +FDO
 171.swim:     -fast +FDO
 172.mgrid:    -fast +FDO
```

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## Notes/Tuning Information (Continued)

```
 173.applu:    basepeak=yes
 177.mesa:     -fast +FDO ONESTEP=yes
 178.galgel:   -fast +FDO
 179.art:      -fast +FDO shlW32M.lib
 183.equake:   -fast +FDO shlW32M.lib
 187.facerec:  -fast +FDO
 188.ammp:     -fast +FDO
 189.lucas:    basepeak=yes
 191.fma3d:    -fast +FDO
 200.sixtrack: -fast +FDO
 301.apsi:     -fast +FDO

Extra Libraries:
 shlW32M.lib = Microquill SmartHeap Library 8
 see www.microquill.com

 Compilation was done in
 Windows XP Professional, Service Pack 2


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