CFP2000 Result

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Fujitsu Siemens Computers

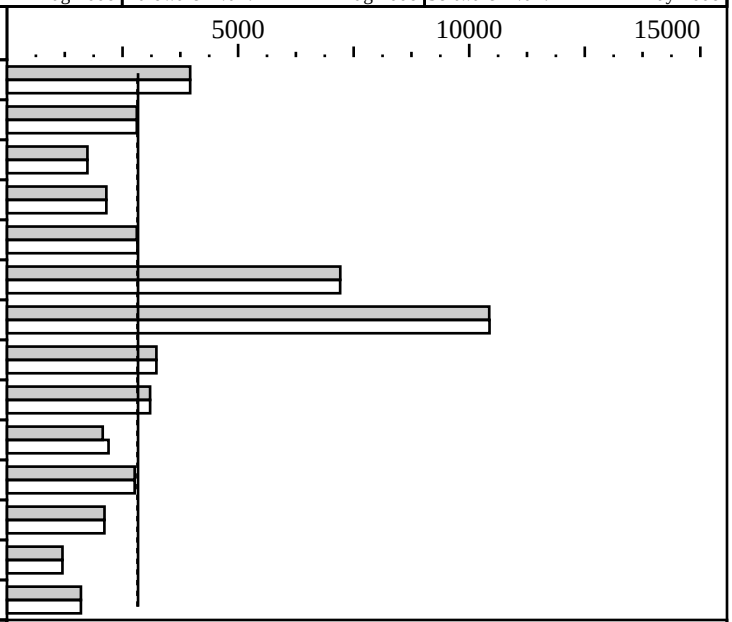
CELSIUS R540, Intel Xeon 5160 processor

SPECfp2000 = 2835

SPECfp_base2000 = 2823

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	40.4	3963	40.4	3963
171.swim	3100	110	2808	110	2808
172.mgrid	1800	103	1740	103	1740
173.applu	2100	97.7	2150	97.7	2150
177.mesa	1400	49.9	2808	49.6	2822
178.galgel	2900	40.2	7211	40.2	7208
179.art	2600	24.9	10433	24.9	10439
183.equake	1300	40.2	3232	40.2	3232
187.facerec	1900	61.4	3096	61.4	3096
188.ammp	2200	106	2071	100	2197
189.lucas	2000	72.4	2762	72.4	2762
191.fma3d	2100	99.5	2110	99.7	2107
200.sixtrack	1100	91.6	1200	91.7	1200
301.apsi	2600	163	1600	163	1599



Hardware

CPU:	Intel Xeon 5160 processor (3.0 GHz, 1333 MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 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, - Build 20060519Z Package ID: W_CC_P_9.1.025 Intel(R) Fortran Compiler for 32-bit app., Version 9.1, - Build 20060519Z Package ID: W_FC_P_9.1.025 Microsoft Visual Studio .NET 2003 (for libraries) 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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