



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS R540, Intel Xeon 5160 processor

SPECfp_rate2000 = 80.6
SPECfp_rate_base2000 = 79.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.0	108	4	69.1	107
171.swim	4	265	54.3	4	265	54.3
172.mgrid	4	169	49.4	4	170	49.3
173.applu	4	188	51.8	4	188	51.8
177.mesa	4	53.4	122	4	53.3	122
178.galgel	4	58.5	230	4	58.5	230
179.art	4	60.1	201	4	59.9	201
183.quake	4	88.9	67.9	4	88.9	67.9
187.facerec	4	91.5	96.3	4	89.6	98.3
188.amp	4	143	71.3	4	118	86.5
189.lucas	4	182	51.1	4	182	51.1
191.fma3d	4	158	61.5	4	164	59.5
200.sixtrack	4	93.1	54.8	4	93.2	54.8
301.apsi	4	200	60.3	4	199	60.5

Hardware

CPU: Intel Xeon 5160 processor (3.0 GHz, 1333 MHz system bus)
 CPU MHz: 3000
 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,
 - 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.amp:     -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>