



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS R640, Intel Xeon 5150 processor

SPECfp_rate2000 = 78.8
SPECfp_rate_base2000 = 77.9

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	68.8	108	4	68.7	108
171.swim	4	271	53.1	4	271	53.1
172.mgrid	4	195	42.8	4	196	42.7
173.applu	4	180	54.2	4	180	54.2
177.mesa	4	56.4	115	4	56.2	116
178.galgel	4	61.4	219	4	61.5	219
179.art	4	54.4	222	4	54.3	222
183.quake	4	92.4	65.3	4	92.4	65.3
187.facerec	4	87.6	101	4	88.7	99.4
188.amp	4	155	65.9	4	130	78.5
189.lucas	4	158	58.8	4	158	58.8
191.fma3d	4	169	57.5	4	173	56.4
200.sixtrack	4	106	48.3	4	106	48.3
301.apsi	4	208	57.9	4	208	57.9

Hardware

CPU: Intel Xeon 5150 processor (2.66 GHz, 1333 MHz system bus)
CPU MHz: 2667
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: 8 GB (8x1 GB DDRII 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

Snoop Filter was enabled in BIOS

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