



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS R640, Intel Xeon 5150 processor

SPECfp2000 = 2566
SPECfp_base2000 = 2555

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	44.8	3573	44.8	3574
171.swim	3100	123	2522	123	2521
172.mgrid	1800	111	1625	111	1623
173.applu	2100	101	2069	101	2069
177.mesa	1400	56.0	2501	55.6	2518
178.galgel	2900	45.3	6404	45.3	6402
179.art	2600	28.0	9281	28.0	9281
183.quake	1300	45.8	2837	45.8	2836
187.facerec	1900	67.8	2802	67.8	2802
188.amp	2200	119	1856	112	1961
189.lucas	2000	78.5	2549	78.5	2549
191.fma3d	2100	112	1874	112	1875
200.sixtrack	1100	103	1066	103	1065
301.apsi	2600	174	1493	174	1491

Hardware

CPU: Intel Xeon 5150 processor (2.66 GHz, 1333 MHz system bus)
CPU MHz: 2667
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: 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.quake: -fast +FDO shlW32M.lib
187.facerec: -fast +FDO
188.ampp:  -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>