



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS R640, Intel Xeon 5110 processor

SPECfp2000 = 1733
SPECfp_base2000 = 1727

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	60.1	2661	60.1	2664	
171.swim	3100	145	2140	145	2139	
172.mgrid	1800	168	1072	168	1071	
173.applu	2100	141	1494	141	1494	
177.mesa	1400	92.3	1518	91.6	1528	
178.galgel	2900	74.9	3872	74.9	3872	
179.art	2600	46.7	5571	46.7	5571	
183.quake	1300	59.4	2189	59.4	2188	
187.facerec	1900	107	1784	107	1784	
188.amp	2200	190	1157	182	1206	
189.lucas	2000	111	1794	111	1794	
191.fma3d	2100	162	1298	162	1298	
200.sixtrack	1100	172	640	172	639	
301.apsi	2600	250	1041	249	1042	

Hardware

CPU: Intel Xeon 5110 processor (1.6 GHz, 1066 MHz system bus)
CPU MHz: 1600
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.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>