



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS R540, Intel Xeon 5110 processor

SPECfp2000 = 1773
SPECfp_base2000 = 1767

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	57.0	2807	57.0	2807	
171.swim	3100	129	2409	129	2409	
172.mgrid	1800	168	1073	168	1073	
173.applu	2100	139	1511	139	1511	
177.mesa	1400	92.1	1520	91.6	1528	
178.galgel	2900	74.7	3880	74.7	3880	
179.art	2600	46.7	5565	46.7	5567	
183.quake	1300	56.1	2316	56.2	2315	
187.facerec	1900	106	1789	106	1789	
188.amp	2200	189	1164	181	1213	
189.lucas	2000	109	1842	109	1842	
191.fma3d	2100	155	1358	155	1359	
200.sixtrack	1100	172	640	172	640	
301.apsi	2600	250	1041	250	1041	

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: 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>