



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS R540, Intel Xeon 5130 processor

SPECfp2000 = 2147
SPECfp_base2000 = 2139

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	48.0	3330	48.1	3329	
171.swim	3100	115	2690	115	2690	
172.mgrid	1800	138	1307	138	1307	
173.applu	2100	116	1804	116	1804	
177.mesa	1400	73.8	1898	73.4	1908	
178.galgel	2900	59.9	4843	59.9	4842	
179.art	2600	37.4	6960	37.4	6959	
183.earthquake	1300	47.5	2740	47.5	2740	
187.facerec	1900	86.0	2210	86.0	2209	
188.amp	2200	153	1442	146	1507	
189.lucas	2000	89.8	2227	89.8	2227	
191.fma3d	2100	129	1633	129	1633	
200.sixtrack	1100	138	800	138	800	
301.apsi	2600	212	1226	212	1226	

Hardware

CPU: Intel Xeon 5130 processor (2.0 GHz, 1333 MHz system bus)
CPU MHz: 2000
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>