



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS M450 (Intel Core 2 Duo processor E6700)

SPECfp2000 = 2708
SPECfp_base2000 = 2699

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	39.0	4103	38.9	4116	
171.swim	3100	116	2673	116	2676	
172.mgrid	1800	105	1713	105	1713	
173.applu	2100	101	2080	101	2080	
177.mesa	1400	55.9	2506	55.7	2515	
178.galgel	2900	45.3	6396	45.3	6396	
179.art	2600	27.8	9338	27.8	9348	
183.earthquake	1300	38.2	3403	38.2	3401	
187.facerec	1900	67.3	2823	67.3	2824	
188.amp	2200	116	1891	111	1978	
189.lucas	2000	76.2	2626	76.2	2626	
191.fma3d	2100	104	2018	106	1990	
200.sixtrack	1100	103	1068	103	1069	
301.apsi	2600	144	1809	142	1826	

Hardware

CPU: Intel Core 2 Duo processor E6700
CPU MHz: 2667
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 4096KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x 1GB PC2-5300 5-5-5 2Rank SDRAM
Disk Subsystem: 1 x 160GB SATA 7200 RPM
Other Hardware: None

Software

Operating System: Windows XP Professional, Service Pack 2
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: FAT32
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
```

The system bus runs at 1066 MHz

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<http://www.fujitsu-siemens.com/countries>