



# CFP2000 Result

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Fujitsu Siemens Computers  
CELSIUS M450 (Intel Core 2 Duo processor E6300)

SPECfp\_rate2000 = 34.3  
SPECfp\_rate\_base2000 = 34.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	59.4	62.5	2	59.5	62.4
171.swim	2	228	31.5	2	229	31.4
172.mgrid	2	167	25.1	2	166	25.1
173.applu	2	183	26.6	2	183	26.6
177.mesa	2	79.8	40.7	2	79.3	40.9
178.galgel	2	115	58.7	2	115	58.6
179.art	2	101	60.0	2	99.8	60.5
183.quake	2	72.5	41.6	2	72.5	41.6
187.facerec	2	117	37.6	2	117	37.8
188.amp	2	233	21.9	2	229	22.2
189.lucas	2	146	31.7	2	146	31.7
191.fma3d	2	166	29.3	2	166	29.4
200.sixtrack	2	150	17.0	2	150	17.0
301.apsi	2	203	29.7	2	202	29.9

### Hardware

CPU: Intel Core 2 Duo processor E6300  
 CPU MHz: 1866  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
 CPU(s) orderable: 1 chip  
 Parallel: No  
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
 Secondary Cache: 2048KB(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

For information about Fujitsu Siemens Computers in your country please see:  
<http://www.fujitsu-siemens.com/countries>