



CFP2000 Result

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

SPECfp2000 = 1963
SPECfp_base2000 = 1960

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	48.0	3333	47.9	3341	
171.swim	3100	122	2542	123	2523	
172.mgrid	1800	145	1245	144	1246	
173.applu	2100	122	1722	122	1722	
177.mesa	1400	79.4	1763	79.0	1771	
178.galgel	2900	72.7	3989	72.4	4003	
179.art	2600	50.0	5200	50.1	5189	
183.earthquake	1300	48.3	2692	48.3	2692	
187.facerec	1900	99.8	1903	99.8	1904	
188.amp	2200	190	1156	186	1181	
189.lucas	2000	97.3	2056	97.3	2056	
191.fma3d	2100	135	1551	136	1549	
200.sixtrack	1100	148	742	148	742	
301.apsi	2600	196	1324	196	1326	

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.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
```

The system bus runs at 1066 MHz

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