



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS M440, Intel Pentium 4 660

SPECfp2000 = 1994
SPECfp_base2000 = 1976

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Dec-2005 Hardware Avail: Jul-2005 Software Avail: Sep-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	57.1	2802	57.0	2805	
171.swim	3100	119	2599	119	2613	
172.mgrid	1800	113	1594	113	1594	
173.applu	2100	128	1644	127	1652	
177.mesa	1400	88.9	1574	88.9	1575	
178.galgel	2900	77.7	3732	77.5	3741	
179.art	2600	55.2	4710	55.4	4695	
183.earth	1300	44.9	2897	44.6	2914	
187.facerec	1900	90.6	2097	90.8	2094	
188.amp	2200	181	1215	163	1346	
189.lucas	2000	87.8	2277	87.3	2292	
191.fma3d	2100	133	1582	133	1584	
200.sixtrack	1100	155	712	155	711	
301.apsi	2600	187	1389	187	1390	

Hardware

CPU: Intel Pentium 4 processor 660
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 GB (4x1 GB DDR2-533, 2rank, CL4-4-4, with ECC)
Disk Subsystem: Serial ATA 7200 rpm
Other Hardware:

Software

Operating System: Windows XP Professional, Service Pack 2
Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20050912Z Package ID: W_CC_C_9.0.024
Intel(R) Fortran Compiler for 32-bit app., Version 9.0, - Build 20050912Z Package ID: W_FC_C_9.0.024
Microsoft Visual Studio .NET 2003 (for libraries)
MicroQuill SmartHeap Library 7.4
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:

168.wupwise: -fast +FDO
171.swim: -fast +FDO
172.mgrid: -fast +FDO
173.applu: -fast -Qscalar_rep- -Qauto +FDO



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Notes/Tuning Information (Continued)

```
177.mesa:      -fast +FDO
178.galgel:    -fast +FDO
179.art:       -fast +FDO shlw32M.lib
183.earthquake: -fast +FDO shlw32M.lib
187.facerec:   -fast +FDO
188.ammmp:     -fast +FDO
189.lucas:     -fast +FDO
191.fma3d:     -fast +FDO
200.sixtrack:  -fast +FDO
301.apsi:      -fast +FDO
```

Extra Libraries:

```
shlw32M.lib = Microquill SmartHeap Library 7.4
see www.microquill.com
```

The system bus runs at 800 MHz

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