



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Fujitsu Siemens Computers
CELSIUS M440, Intel Pentium 4 630

SPECfp2000 = 1750
SPECfp_base2000 = 1735

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	64.9	2464	64.9	2466	
171.swim	3100	123	2512	123	2526	
172.mgrid	1800	131	1371	131	1374	
173.applu	2100	145	1446	144	1457	
177.mesa	1400	106	1317	106	1318	
178.galgel	2900	91.0	3187	90.9	3192	
179.art	2600	61.9	4202	61.9	4200	
183.quake	1300	49.7	2618	49.4	2630	
187.facerec	1900	104	1828	104	1826	
188.amp	2200	207	1063	189	1165	
189.lucas	2000	97.3	2055	96.8	2067	
191.fma3d	2100	151	1392	151	1393	
200.sixtrack	1100	185	594	185	594	
301.apsi	2600	218	1194	218	1195	

Hardware

CPU: Intel Pentium 4 processor 630
CPU MHz: 3000
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



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Fujitsu Siemens Computers
CELSIUS M440, Intel Pentium 4 630

SPECfp2000 = 1750
SPECfp_base2000 = 1735

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

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>