



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Fujitsu Siemens Computers
CELSIUS M440, Intel Pentium 4 640

SPECfp2000 = 1841
SPECfp_base2000 = 1825

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	61.9	2587	61.7	2593
171.swim	3100	122	2537	121	2554
172.mgrid	1800	124	1452	123	1463
173.applu	2100	138	1517	137	1533
177.mesa	1400	99.8	1403	99.8	1403
178.galgel	2900	85.6	3386	85.6	3387
179.art	2600	59.1	4402	59.1	4402
183.quake	1300	47.3	2750	47.6	2729
187.facerec	1900	98.0	1939	98.5	1930
188.amp	2200	196	1120	179	1228
189.lucas	2000	92.9	2154	92.1	2172
191.fma3d	2100	144	1460	143	1469
200.sixtrack	1100	174	633	174	633
301.apsi	2600	206	1262	206	1265

Hardware

CPU: Intel Pentium 4 processor 640
 CPU MHz: 3200
 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 4 640

SPECfp2000 = 1841
SPECfp_base2000 = 1825

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>