



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS R630, Intel Xeon 3.6 GHz

SPECfp_rate2000 = 31.4

SPECfp_rate_base2000 = 31.2

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Feb-2005 | Hardware Avail: Mar-2005 | Software Avail: Nov-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	72.2	51.4	2	72.3	51.3
171.swim	2	272	26.4	2	272	26.4
172.mgrid	2	175	23.9	2	175	23.9
173.applu	2	215	22.7	2	209	23.3
177.mesa	2	89.1	36.5	2	89.1	36.5
178.galgel	2	99.8	67.4	2	99.9	67.4
179.art	2	90.7	66.5	2	90.7	66.5
183.quake	2	110	27.5	2	111	27.1
187.facerec	2	125	35.4	2	125	35.4
188.amp	2	189	27.0	2	182	28.0
189.lucas	2	188	24.6	2	188	24.7
191.fma3d	2	189	25.7	2	189	25.7
200.sixtrack	2	170	15.0	2	167	15.3
301.apsi	2	217	27.8	2	218	27.7

Hardware

CPU: Intel Xeon (3.6 GHz, 800 MHz bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
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 (8x512 MB DDRII 400, CL3-3-3, with ECC)
Disk Subsystem: Fujitsu MAP3367NP (SCSI Ultra 320)
Other Hardware:

Software

Operating System: Windows XP Professional, Service Pack 2
Compiler: Intel(R) C++ Compiler, Version 8.1,
- Build 20041019Z, Package ID: W_CC_PU_8.1.020
Intel(R) Fortran Compiler, Version 8.1
- Build 20041019Z, Package ID: w_fc_pu_8.1.023
Microsoft Visual Studio .NET 7.0 (for libraries)
MicroQuill SmartHeap Library 6.03a
File System: FAT32
System State: Default

Notes/Tuning Information

Portability flags:

178.galgel: -FI /F32000000

191.fma3d: Approved src.alt windowsdp is used

Feedback optimization:

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:

for C programs:

-fast -Qansi_alias +FDO

for Fortran programs:

-fast -Qansi_alias +FDO

Peak Tuning Flags:

168.wupwise: -fast -Qansi_alias +FDO

171.swim: -fast -Qansi_alias +FDO

172.mgrid: -fast -Qansi_alias +FDO

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info@spec.org

http://www.spec.org



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Notes/Tuning Information (Continued)

```
173.applu: -fast -Qscalar_rep- -Qauto +FDO
177.mesa: basepeak=yes
178.galgel: -fast -Qansi_alias +FDO
179.art: basepeak=yes
183.equake: -QxP -Oa -Qrcd -Qipo +FDO
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -Oa -QxP
189.lucas: -fast -Qprefetch- +FDO
191.fma3d: basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi: -fast +FDO
```

The system bus runs at 800 MHz

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