



# CFP2000 Result

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## Itautec

Servidor Itautec LX201 (Intel Xeon 5160 processor)

SPECfp\_rate2000 = 45.2

SPECfp\_rate\_base2000 = 45.2

SPEC license #: 9001 | Tested by: Itautec | Test date: Oct-2006 | Hardware Avail: Jul-2006 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	56.8	65.3	2	56.8	65.3
171.swim	2	210	34.3	2	210	34.3
172.mgrid	2	134	31.1	2	134	31.1
173.applu	2	155	31.4	2	155	31.4
177.mesa	2	54.0	60.2	2	54.0	60.2
178.galgel	2	55.4	121	2	55.4	121
179.art	2	54.4	111	2	54.4	111
183.equake	2	67.9	44.4	2	67.9	44.4
187.facerec	2	87.3	50.5	2	87.3	50.5
188.amp	2	148	34.5	2	148	34.5
189.lucas	2	151	30.8	2	151	30.8
191.fma3d	2	143	34.1	2	143	34.1
200.sixtrack	2	93.5	27.3	2	93.5	27.3
301.apsi	2	161	37.6	2	161	37.6

### Hardware

CPU: Intel Xeon 5160 processor (3.00 GHz, 4MB L2 shared, 1333 MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 32 KB I + 32 KB D on chip per core  
Secondary Cache: 4096KB(I+D) on chip, per chip, shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x2GB DDR2-RAM PC2-5300F (CAS 5-5-5)ECC  
Disk Subsystem: 1 x 120GB Serial ATA 7200 RPM  
Other Hardware: None

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1 (64-bit)  
Compiler: Intel C++ Compiler 9.1  
Build 20060519Z (for 32-bit applications),  
Intel Fortran Compiler 9.1  
Build 20060519Z (for 32-bit applications),  
Microsoft Visual Studio .NET 7.0.9466 (for libraries),  
MicroQuill SmartHeap for SMP Library 8.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### PORTABILITY FLAGS

178.galgel: -FI /F32000000

### GENERAL

+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### Base tuning flags

for Fortran programs: -fast -Qansi\_alias +FDO

for C programs: -fast +FDO shlSMPMt.lib

### EXTRA LIBRARIES

MicroQuill SmartHeap for SMP Library 8.0 available from  
<http://www.microquill.com/>