



# CFP2000 Result

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## Itautec

Servidor Itautec LX211 (Intel Xeon 5110 processor, 1.86GHz)

SPECfp\_rate2000 = 50.4

SPECfp\_rate\_base2000 = 50.4

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	4	99.4	74.7	4	99.4	74.7
171.swim	4	427	33.7	4	427	33.7
172.mgrid	4	265	31.6	4	265	31.6
173.applu	4	310	31.4	4	310	31.4
177.mesa	4	99.5	65.3	4	99.5	65.3
178.galgel	4	99.8	135	4	99.8	135
179.art	4	88.6	136	4	88.6	136
183.quake	4	120	50.1	4	120	50.1
187.facerec	4	143	61.7	4	143	61.7
188.amp	4	243	42.0	4	243	42.0
189.lucas	4	271	34.2	4	271	34.2
191.fma3d	4	243	40.2	4	243	40.2
200.sixtrack	4	175	29.2	4	175	29.2
301.apsi	4	275	43.8	4	275	43.8

### Hardware

CPU: Intel Xeon 5110 processor (1.60 GHz, 4MB L2 shared, 1066 MHz system bus)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1,2  
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: 6x2GB 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 (32-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 2005 (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/>