



# CFP2000 Result

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## Itaotec

Servidor Itaotec LX211 (Intel Xeon 5160 processor, 3.00 GHz)

SPECfp\_rate2000 = 44.8

SPECfp\_rate\_base2000 = 44.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	55.9	66.4	2	55.9	66.4
171.swim	2	217	33.2	2	217	33.2
172.mgrid	2	142	29.5	2	142	29.5
173.applu	2	177	27.6	2	177	27.6
177.mesa	2	53.5	60.7	2	53.5	60.7
178.galgel	2	55.9	120	2	55.9	120
179.art	2	53.5	113	2	53.5	113
183.equake	2	70.9	42.5	2	70.9	42.5
187.facerec	2	80.5	54.8	2	80.5	54.8
188.amp	2	143	35.7	2	143	35.7
189.lucas	2	139	33.4	2	139	33.4
191.fma3d	2	147	33.1	2	147	33.1
200.sixtrack	2	93.5	27.3	2	93.5	27.3
301.apsi	2	169	35.7	2	169	35.7

### 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: 4MB (I+D) on chip, per chip, shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 12GB (6x2GB DDR2-RAM PC2-5300 FB-DIMM CL5 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/>