



# CFP2000 Result

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## Itaotec

Servidor Itaotec MX201 (Intel Xeon 5110 processor, 1.86GHz)

SPECfp\_rate2000 = 33.0

SPECfp\_rate\_base2000 = 33.0

SPEC license #: 9001 | Tested by: Itaotec | 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	68.6	54.1	2	68.6	54.1
171.swim	2	236	30.5	2	236	30.5
172.mgrid	2	190	22.0	2	190	22.0
173.applu	2	196	24.8	2	196	24.8
177.mesa	2	92.2	35.2	2	92.2	35.2
178.galgel	2	87.6	76.8	2	87.6	76.8
179.art	2	68.5	88.1	2	68.5	88.1
183.equake	2	79.2	38.1	2	79.2	38.1
187.facerec	2	121	36.5	2	121	36.5
188.amp	2	219	23.3	2	219	23.3
189.lucas	2	146	31.7	2	146	31.7
191.fma3d	2	188	25.9	2	188	25.9
200.sixtrack	2	174	14.7	2	174	14.7
301.apsi	2	275	22.0	2	275	22.0

### Hardware

CPU: Intel Xeon 5110 processor (1.60 GHz, 4MB L2 shared, 1333 MHz system bus)  
CPU MHz: 1600  
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: 8x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)ECC  
Disk Subsystem: 1 x 36GB U320 SCSI 10000 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 .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/>