



# CFP2000 Result

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## Itaotec

Servidor Itaotec LX211 (Intel Xeon processor X5355, 2.66 GHz)

SPECfp\_rate2000 = 90.7

SPECfp\_rate\_base2000 = 90.7

SPEC license #: 9001 | Tested by: Itaotec | Test date: Feb-2007 | Hardware Avail: Feb-2007 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	131	113	8	131	113
171.swim	8	574	50.1	8	574	50.1
172.mgrid	8	346	48.2	8	346	48.2
173.applu	8	438	44.5	8	438	44.5
177.mesa	8	77.4	168	8	77.4	168
178.galgel	8	95.8	281	8	95.8	281
179.art	8	100	241	8	100	241
183.equake	8	165	73.2	8	165	73.2
187.facerec	8	157	113	8	157	113
188.amp	8	203	101	8	203	101
189.lucas	8	364	51.0	8	364	51.0
191.fma3d	8	306	63.7	8	306	63.7
200.sixtrack	8	141	72.4	8	141	72.4
301.apsi	8	254	94.9	8	254	94.9

### Hardware

CPU: Intel Xeon processor X5355 (2.66 GHz, 2x4MB L2, 1333 MHz system bus)  
CPU MHz: 2660  
FPU: Integrated  
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8 MB I+D on chip per chip (4 MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 6x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)  
Disk Subsystem: 1 x 120GB SATA 7200RPM  
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 2003 7.1.3088 (for libraries)  
Microquill SmartHeap Library v.8.0 for SMP  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

Basepeak=yes is used for all programs  
+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY FLAGS

178.galgel: -FI /F32000000

### Base tuning flags

for Fortran programs: -fast -Qansi\_alias +FDO  
for C programs: -fast +FDO shlSMPMt.lib

### EXTRA LIBRARIES

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