



# CFP2000 Result

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## Itautec

Servidor Itautec MX221 (Intel Xeon processor E5310, 1.60 GHz)

SPECfp\_rate2000 = 73.9

SPECfp\_rate\_base2000 = 73.9

SPEC license #: 9001 | Tested by: Itautec | 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	174	85.3	8	174	85.3
171.swim	8	689	41.8	8	689	41.8
172.mgrid	8	428	39.0	8	428	39.0
173.applu	8	460	42.3	8	460	42.3
177.mesa	8	97.2	134	8	97.2	134
178.galgel	8	119	227	8	119	227
179.art	8	129	187	8	129	187
183.equake	8	215	56.2	8	215	56.2
187.facerec	8	188	93.9	8	188	93.9
188.amp	8	262	77.8	8	262	77.8
189.lucas	8	403	46.0	8	403	46.0
191.fma3d	8	379	51.4	8	379	51.4
200.sixtrack	8	178	57.2	8	178	57.2
301.apsi	8	307	78.6	8	307	78.6

### Hardware

CPU: Intel Xeon processor E5310 (1.60 GHz, 2x4MB L2, 1066 MHz system bus)  
 CPU MHz: 1600  
 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: 8x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)  
 Disk Subsystem: 1 x 146GB SCSI 10000RPM  
 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>

The Servidor Itautec MX221 and the Servidor Itautec MX201 are electronically equivalent.