



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

**Itautec-Philco**  
Servidor Itautec MX220R (3.2 GHz Intel Xeon)

SPECfp\_rate2000 = 29.9  
SPECfp\_rate\_base2000 = 29.2

SPEC license #: 2784 | Tested by: Itautec-Philco | Test date: Jun-2005 | Hardware Avail: May-2005 | Software Avail: May-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	146	50.8	4	146	50.8
171.swim	4	549	26.2	4	549	26.2
172.mgrid	4	356	23.4	4	356	23.4
173.applu	4	413	23.6	4	396	24.6
177.mesa	4	199	32.7	4	199	32.7
178.galgel	4	281	47.9	4	281	47.9
179.art	4	334	36.1	4	334	36.1
183.quake	4	227	26.6	4	175	34.6
187.facerec	4	234	37.7	4	234	37.7
188.amp	4	427	23.9	4	427	23.9
189.lucas	4	368	25.2	4	372	24.9
191.fma3d	4	390	25.0	4	390	25.0
200.sixtrack	4	287	17.8	4	285	17.9
301.apsi	4	405	29.8	4	407	29.7

### Hardware

CPU: Intel Xeon (3.2 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)  
CPU MHz: 3200  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4 x 1024 MB ECC DDR2 Single Rank  
Disk Subsystem: 73GB SCSI 10K RPM U320  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise Edition  
Compiler: Intel C/C++ Compiler 8.1 for 32-bit Build 20050201Z  
Intel Fortran Compiler 8.1 for 32-bit Build 20050201Z  
Microsoft Visual Studio .NET 7.0.9466 (for libraries)  
Microquill SmartHeap Library 7  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

ONESTEP=yes  
+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY FLAGS

178.galgel: -FI /F3200000

### BASE TUNING

C/F77/F90: -fast -QxP -Qansi\_alias +FDO

### PEAK TUNING

168.wupwise: basepeak=yes  
171.swim: -fast -QxP -f77rtl +FDO  
172.mgrid: basepeak=yes  
173.applu: -fast -QxP -Qscalar\_rep- -Qauto -f77rtl +FDO  
177.mesa: basepeak=yes  
178.galgel: basepeak=yes  
179.art: basepeak=yes  
183.quake: -fast -QxP -Qansi\_alias -Oa -Qrcd +FDO shlw32M2.lib  
187.facerec: basepeak=yes



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Itautec-Philco

Servidor Itautec MX220R (3.2 GHz Intel Xeon)

SPECfp\_rate2000 = 29.9

SPECfp\_rate\_base2000 = 29.2

SPEC license #: 2784 | Tested by: Itautec-Philco | Test date: Jun-2005 | Hardware Avail: May-2005 | Software Avail: May-2005

## Notes/Tuning Information (Continued)

188. ammp: basepeak=yes  
189. lucas: -fast -QxP  
191. fma3d: basepeak=yes srcalt windowsdp  
200. sixtrack: -QxP -Qipo +FDO  
301. psi: -fast -QxP -f77rtl +FDO  
EXTRA LIBRARIES  
shlw32M2.lib: MicroQuill SmartHeap Library 7  
www.microquill.com