



CFP2000 Result

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Itautec

Servidor Itautec MX221 (Intel Xeon processor E5320, 1.86 GHz)

SPECfp_rate2000 = 77.7

SPECfp_rate_base2000 = 77.7

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 | 169 | 87.6 | 8 | 169 | 87.6 |
| 171.swim | 8 | 690 | 41.7 | 8 | 690 | 41.7 |
| 172.mgrid | 8 | 424 | 39.4 | 8 | 424 | 39.4 |
| 173.applu | 8 | 462 | 42.2 | 8 | 462 | 42.2 |
| 177.mesa | 8 | 83.8 | 155 | 8 | 83.8 | 155 |
| 178.galgel | 8 | 109 | 247 | 8 | 109 | 247 |
| 179.art | 8 | 123 | 197 | 8 | 123 | 197 |
| 183.equake | 8 | 215 | 56.2 | 8 | 215 | 56.2 |
| 187.facerec | 8 | 184 | 95.8 | 8 | 184 | 95.8 |
| 188.amp | 8 | 233 | 87.6 | 8 | 233 | 87.6 |
| 189.lucas | 8 | 400 | 46.4 | 8 | 400 | 46.4 |
| 191.fma3d | 8 | 372 | 52.4 | 8 | 372 | 52.4 |
| 200.sixtrack | 8 | 153 | 66.8 | 8 | 153 | 66.8 |
| 301.apsi | 8 | 291 | 82.8 | 8 | 291 | 82.8 |

Hardware

CPU: Intel Xeon processor E5320 (1.86 GHz, 2x4MB L2, 1066 MHz system bus)
 CPU MHz: 1860
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 32 KB I + 32 KB 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 73GB 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

176.gcc: -Dalloca=_alloca /F10000000
 186.crafty: -DNT_i386
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Base tuning flags

for C programs: -fast +FDO shlSMPMt.lib
 for C++ programs: -fast -Qcxx_features +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.