



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries 236 (3.8 GHz Xeon, 2MB L2 Cache)

SPECfp_rate2000 = 33.3

SPECfp_rate_base2000 = 32.6

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Aug-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 2 | 69.6 | 53.4 | 2 | 69.6 | 53.4 |
| 171.swim | 2 | 273 | 26.3 | 2 | 273 | 26.4 |
| 172.mgrid | 2 | 185 | 22.6 | 2 | 185 | 22.6 |
| 173.applu | 2 | 212 | 22.9 | 2 | 208 | 23.4 |
| 177.mesa | 2 | 84.9 | 38.3 | 2 | 84.9 | 38.2 |
| 178.galgel | 2 | 89.0 | 75.6 | 2 | 89.0 | 75.6 |
| 179.art | 2 | 86.5 | 69.7 | 2 | 86.5 | 69.7 |
| 183.quake | 2 | 111 | 27.3 | 2 | 81.9 | 36.8 |
| 187.facerec | 2 | 117 | 37.6 | 2 | 117 | 37.7 |
| 188.amp | 2 | 175 | 29.2 | 2 | 175 | 29.2 |
| 189.lucas | 2 | 181 | 25.6 | 2 | 181 | 25.6 |
| 191.fma3d | 2 | 184 | 26.4 | 2 | 184 | 26.4 |
| 200.sixtrack | 2 | 146 | 17.5 | 2 | 146 | 17.5 |
| 301.apsi | 2 | 209 | 28.8 | 2 | 209 | 28.8 |

Hardware

CPU: Intel Xeon 3.8 (800 MHz system bus)
 CPU MHz: 3800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1
 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: 8 x 512MB ECC PC2-3200 Single Rank
 Disk Subsystem: 73GB SCSI 10K RPM
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
 Compiler: Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications
 Intel Fortran Compiler 9.0 (20050624Z) for 32-bit applications
 Microsoft Visual Studio .NET 13.0.9466 (for libraries)
 MicroQuill Smartheap Library 7.30
 File System: NTFS
 System State: Default

Notes/Tuning Information

GENERAL

ONESTEP=yes
 +FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

PORTABILITY

178.galgel: -FI /F3200000
 191.fma3d: srcalt=windowsdp

BASE TUNING

C/F77/F90: -fast -Qansi_alias +FDO

PEAK TUNING

168.wupwise: basepeak=yes
 171.swim: -fast -f77rtl +FDO
 172.mgrid: basepeak=yes
 173.applu: -fast -Qscalar_rep- -Qauto -f77rtl +FDO
 177.mesa: -fast +FDO
 178.galgel: basepeak=yes
 179.art: basepeak=yes
 183.quake: -fast -Oa -Qrcd +FDO shlw32M.lib



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries 236 (3.8 GHz Xeon, 2MB L2 Cache)

SPECfp_rate2000 = 33.3

SPECfp_rate_base2000 = 32.6

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Aug-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005

Notes/Tuning Information (Continued)

187.facerec: -fast -Qunroll11 -Qscalar_rep- +FDO
188.amp: basepeak=yes
189.lucas: -fast
191.fma3d: basepeak=yes
200.sixtrack: -Qipo +FDO
301.apsi: basepeak=yes