



CFP2000 Result

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IBM Corporation
IBM eServer xSeries 336 (3.0 GHz Intel Xeon)

SPECfp2000 = 1597
SPECfp_base2000 = 1576

SPEC license #: 11 | Tested by: IBM, Research Trinagle Park, NC | Test date: Jun-2005 | Hardware Avail: Feb-2005 | Software Avail: Apr-2005

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | |
|----------------|----------------|--------------|------------|---------|-------|--|
| 168.wupwise | 1600 | 69.7 | 2294 | 69.7 | 2294 | |
| 171.swim | 3100 | 140 | 2213 | 140 | 2214 | |
| 172.mgrid | 1800 | 136 | 1326 | 136 | 1326 | |
| 173.applu | 2100 | 160 | 1315 | 161 | 1306 | |
| 177.mesa | 1400 | 106 | 1320 | 106 | 1320 | |
| 178.galgel | 2900 | 96.0 | 3020 | 96.0 | 3020 | |
| 179.art | 2600 | 72.3 | 3599 | 72.3 | 3599 | |
| 183.earthquake | 1300 | 74.2 | 1752 | 62.6 | 2076 | |
| 187.facerec | 1900 | 117 | 1620 | 117 | 1620 | |
| 188.amp | 2200 | 205 | 1073 | 205 | 1073 | |
| 189.lucas | 2000 | 105 | 1904 | 104 | 1931 | |
| 191.fma3d | 2100 | 163 | 1291 | 163 | 1291 | |
| 200.sixtrack | 1100 | 203 | 542 | 200 | 550 | |
| 301.apsi | 2600 | 231 | 1128 | 231 | 1128 | |

Hardware

CPU: Intel Xeon (3.0 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
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: 8 x 512 MB ECC DDR2 Single Rank
Disk Subsystem: 73GB SCSI 10K RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
Compiler: Intel C/C++ Compiler 8.1 (20050409)
Intel Fortran Compiler 8.1 (20050405Z)
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 /F32000000

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.earthquake: -fast -QxP -Oa -Qrcd +FDO shlW32M.lib
187.facerec: basepeak=yes



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Notes/Tuning Information (Continued)

188. ammp: basepeak=yes
189. lucas: -fast -QxP
191. fma3d: basepeak=yes
200. sixtrack: -QxP -Qipo +FDO
301. apsi: -fast -QxP -f77rtl +FDO