



CFP2000 Result

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IBM Corporation
IBM eServer xSeries 236 (3.6 GHz Intel Xeon)

SPECfp_rate2000 = 21.0
SPECfp_rate_base2000 = 20.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	62.0	30.0	1	62.0	30.0
171.swim	1	136	26.4	1	136	26.4
172.mgrid	1	119	17.6	1	119	17.6
173.applu	1	142	17.1	1	143	17.1
177.mesa	1	89.0	18.2	1	89.0	18.2
178.galgel	1	82.5	40.8	1	82.5	40.8
179.art	1	65.2	46.3	1	65.2	46.3
183.quake	1	66.8	22.6	1	55.0	27.4
187.facerec	1	104	21.1	1	104	21.1
188.amp	1	178	14.4	1	178	14.4
189.lucas	1	98.0	23.7	1	97.1	23.9
191.fma3d	1	145	16.9	1	145	16.9
200.sixtrack	1	169	7.53	1	167	7.64
301.apsi	1	199	15.1	1	199	15.1

Hardware

CPU: Intel Xeon (3.6 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3600
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 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 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 /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 -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