



CFP2000 Result

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IBM Corporation
IBM eServer xSeries 236 (3.4 GHz Intel Xeon)

SPECfp2000 = 1743
SPECfp_base2000 = 1717

SPEC license #: 11 | Tested by: IBM, Research Triangle 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	64.2	2491	64.2	2491	
171.swim	3100	137	2268	137	2268	
172.mgrid	1800	124	1456	124	1456	
173.applu	2100	147	1429	148	1422	
177.mesa	1400	94.1	1488	94.1	1488	
178.galgel	2900	86.4	3358	86.4	3358	
179.art	2600	66.8	3892	66.8	3892	
183.quake	1300	69.1	1881	57.1	2276	
187.facerec	1900	108	1759	108	1759	
188.amp	2200	185	1187	185	1187	
189.lucas	2000	99.8	2004	98.8	2023	
191.fma3d	2100	150	1404	150	1404	
200.sixtrack	1100	179	614	177	622	
301.apsi	2600	208	1247	208	1247	

Hardware

CPU: Intel Xeon (3.4 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3400
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 /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.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