



CFP2000 Result

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IBM Corporation
IBM eServer xSeries 236 (3.0 GHz Intel Xeon)

SPECfp_rate2000 = 18.5
SPECfp_rate_base2000 = 18.3

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	69.7	26.6	1	69.7	26.6
171.swim	1	140	25.7	1	140	25.7
172.mgrid	1	136	15.4	1	136	15.4
173.applu	1	160	15.3	1	161	15.1
177.mesa	1	106	15.3	1	106	15.3
178.galgel	1	96.0	35.0	1	96.0	35.0
179.art	1	71.6	42.1	1	71.6	42.1
183.quake	1	74.2	20.3	1	62.6	24.1
187.facerec	1	117	18.8	1	117	18.8
188.amp	1	204	12.5	1	204	12.5
189.lucas	1	105	22.1	1	104	22.4
191.fma3d	1	163	15.0	1	163	15.0
200.sixtrack	1	204	6.25	1	200	6.38
301.apsi	1	231	13.1	1	231	13.1

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 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) for 32-bit applications
Intel Fortran Compiler 8.1 (20050405Z) 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 -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



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Notes/Tuning Information (Continued)

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