



CFP2000 Result

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IBM Corporation

IBM eServer xSeries 346 (3.8 GHz Xeon, 2MB L2 Cache)

SPECfp_rate2000 = 22.4

SPECfp_rate_base2000 = 22.0

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	1	58.9	31.5	1	58.9	31.5
171.swim	1	132	27.3	1	132	27.3
172.mgrid	1	115	18.1	1	115	18.1
173.applu	1	133	18.4	1	131	18.6
177.mesa	1	84.6	19.2	1	84.6	19.2
178.galgel	1	77.0	43.7	1	77.0	43.7
179.art	1	60.2	50.1	1	60.2	50.1
183.quake	1	58.9	25.6	1	46.0	32.8
187.facerec	1	97.6	22.6	1	97.6	22.6
188.amp	1	169	15.1	1	169	15.1
189.lucas	1	96.2	24.1	1	96.1	24.1
191.fma3d	1	138	17.7	1	138	17.7
200.sixtrack	1	146	8.73	1	146	8.73
301.apsi	1	188	16.0	1	188	16.0

Hardware

CPU: Intel Xeon 3.8 (800 MHz system bus)
CPU MHz: 3800
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 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



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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