



CFP2000 Result

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IBM Corporation

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

SPECfp_rate2000 = 33.3

SPECfp_rate_base2000 = 32.5

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	2	69.5	53.4	2	69.5	53.4
171.swim	2	273	26.3	2	273	26.4
172.mgrid	2	185	22.6	2	185	22.6
173.applu	2	212	22.9	2	208	23.4
177.mesa	2	84.8	38.3	2	85.0	38.2
178.galgel	2	89.0	75.6	2	89.0	75.6
179.art	2	86.8	69.5	2	86.8	69.5
183.quake	2	110	27.3	2	81.9	36.8
187.facerec	2	117	37.6	2	117	37.6
188.amp	2	175	29.2	2	175	29.2
189.lucas	2	182	25.6	2	181	25.6
191.fma3d	2	184	26.4	2	184	26.4
200.sixtrack	2	146	17.5	2	145	17.5
301.apsi	2	212	28.4	2	212	28.4

Hardware

CPU: Intel Xeon 3.8 (800 MHz system bus)
 CPU MHz: 3800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 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