



CFP2000 Result

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IBM Corporation
IBM eServer xSeries 346 (3.0 GHz Intel Xeon)

SPECfp2000 = 1597
SPECfp_base2000 = 1575

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	69.8	2294	69.8	2294	[Bar chart showing ratio 2294]			
171.swim	3100	140	2212	140	2212	[Bar chart showing ratio 2212]			
172.mgrid	1800	136	1324	136	1324	[Bar chart showing ratio 1324]			
173.applu	2100	160	1315	161	1305	[Bar chart showing ratio 1305]			
177.mesa	1400	106	1320	106	1320	[Bar chart showing ratio 1320]			
178.galgel	2900	96.1	3018	96.1	3018	[Bar chart showing ratio 3018]			
179.art	2600	72.0	3613	72.0	3613	[Bar chart showing ratio 3613]			
183.quake	1300	74.3	1750	62.9	2066	[Bar chart showing ratio 2066]			
187.facerec	1900	117	1619	117	1619	[Bar chart showing ratio 1619]			
188.amp	2200	204	1078	204	1078	[Bar chart showing ratio 1078]			
189.lucas	2000	105	1902	104	1930	[Bar chart showing ratio 1930]			
191.fma3d	2100	163	1290	163	1290	[Bar chart showing ratio 1290]			
200.sixtrack	1100	204	541	200	549	[Bar chart showing ratio 549]			
301.apsi	2600	230	1128	230	1128	[Bar chart showing ratio 1128]			

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)
 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 -Qansi_alias -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