



CFP2000 Result

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

SPECfp2000 = 1932
SPECfp_base2000 = 1896

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Aug-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	58.9	2716	58.9	2716	
171.swim	3100	132	2352	132	2352	
172.mgrid	1800	115	1559	115	1559	
173.applu	2100	133	1582	131	1605	
177.mesa	1400	84.6	1654	84.6	1654	
178.galgel	2900	76.9	3770	76.9	3770	
179.art	2600	60.5	4294	60.5	4294	
183.quake	1300	58.9	2208	46.0	2825	
187.facerec	1900	97.6	1947	97.6	1947	
188.amp	2200	169	1300	169	1300	
189.lucas	2000	96.2	2080	96.1	2081	
191.fma3d	2100	138	1527	138	1527	
200.sixtrack	1100	146	751	146	752	
301.apsi	2600	188	1380	188	1380	

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
```