



CFP2000 Result

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IBM
IBM eServer xSeries 346 (3.4 GHz Intel Xeon)

SPECfp2000 = 1741
SPECfp_base2000 = 1715

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	64.2	2491	64.2	2491				
171.swim	3100	137	2271	136	2272				
172.mgrid	1800	124	1457	124	1457				
173.applu	2100	147	1430	147	1424				
177.mesa	1400	93.9	1490	93.9	1490				
178.galgel	2900	86.3	3359	86.3	3359				
179.art	2600	67.6	3847	67.6	3847				
183.quake	1300	68.9	1886	57.1	2278				
187.facerec	1900	108	1754	108	1754				
188.amp	2200	186	1180	186	1180				
189.lucas	2000	100	1996	99.0	2021				
191.fma3d	2100	149	1406	149	1406				
200.sixtrack	1100	179	614	177	623				
301.apsi	2600	208	1249	209	1247				

Hardware

CPU: Intel Xeon (3.4 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3400
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