



CFP2000 Result

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IBM
IBM eServer xSeries 336 (3.6 GHz Intel Xeon)

SPECfp2000 = **1804**
SPECfp_base2000 = **1776**

SPEC license #: 11 | Tested by: IBM, Research Trinagle 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	61.9	2583	61.9	2583				
171.swim	3100	136	2280	136	2280				
172.mgrid	1800	119	1518	119	1518				
173.applu	2100	142	1478	143	1473				
177.mesa	1400	89.0	1574	89.0	1574				
178.galgel	2900	82.5	3515	82.5	3515				
179.art	2600	65.8	3949	65.8	3949				
183.quake	1300	67.0	1941	55.0	2366				
187.facerec	1900	105	1804	105	1804				
188.amp	2200	179	1231	179	1231				
189.lucas	2000	98.7	2026	97.5	2051				
191.fma3d	2100	144	1456	144	1456				
200.sixtrack	1100	169	650	167	659				
301.apsi	2600	199	1305	199	1304				

Hardware

CPU: Intel Xeon (3.6 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3600
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 DDR2 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)

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188. ammp: basepeak=yes
189. lucas: -fast -QxP
191. fma3d: basepeak=yes
200. sixtrack: -QxP -Qipo +FDO
301. apsi: -fast -QxP -f77rtl +FDO
```