



# CFP2000 Result

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IBM Corporation  
IBM xSeries 336 (3.6GHz Xeon)

SPECfp2000 = 1721  
SPECfp\_base2000 = 1700

SPEC license #: 11 Tested by: IBM Corporation Test date: Sep-2004 Hardware Avail: Aug-2004 Software Avail: Sep-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	54.9	2913	54.9	2913	
171.swim	3100	140	2219	140	2219	
172.mgrid	1800	110	1642	110	1642	
173.applu	2100	138	1522	127	1651	
177.mesa	1400	74.2	1886	74.2	1886	
178.galgel	2900	131	2220	131	2220	
179.art	2600	84.9	3062	84.9	3062	
183.earthquake	1300	64.0	2031	64.0	2031	
187.facerec	1900	102	1866	102	1866	
188.amp	2200	226	973	220	999	
189.lucas	2000	107	1878	107	1878	
191.fma3d	2100	137	1530	137	1530	
200.sixtrack	1100	173	635	163	673	
301.apsi	2600	215	1211	215	1211	

### Hardware

CPU: Intel Xeon processor, 800MHz FSB  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HyperThreading Disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 1024KB (I+D) on chip  
L3 Cache: None  
Other Cache: None  
Memory: 8GB (8x1024GB DDR-II 400 DIMMs)  
Disk Subsystem: 1 x 72GB SCSI  
Other Hardware: None

### Software

Operating System: SUSE Linux SLES 9 (64-bit), kernel 2.6.5-7.97-smp  
Compiler: Intel(R) C Compiler for Intel(R) EM64T-based applications  
Version 8.1 Build 20040708  
Intel(R) Fortran Compiler for Intel(R) EM64T-based applications  
Version 8.1 Build 20040708  
File System: Reiserfs  
System State: Multi-user, run level 3

## Notes/Tuning Information

Portability Flags:  
178.galgel: -FI  
Base Tuning for C and Fortran Programs:  
-xP -fast -ansi\_alias +FDO  
+FDO for C and Fortran programs:  
PASS1=-prof\_gen  
PASS2=-prof\_use  
Peak Tuning:  
168.wupwise: basepeak=yes  
171.swim: basepeak=yes  
172.mgrid: basepeak=yes  
173.applu: -xP -fast -scalar\_rep- -auto +FDO  
177.mesa: -xP -fast -alias\_args -scalar\_rep- +FDO  
178.galgel: basepeak=yes  
179.art: basepeak=yes  
183.earthquake: basepeak=yes  
187.facerec: basepeak=yes



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## Notes/Tuning Information (Continued)

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188. ammp:      -xP -alias_args
189. lucas:     basepeak=yes
191. fma3d:     basepeak=yes
200. sixtrack: -xP -ipo +FDO
301. apsi:      basepeak=yes
```

### BIOS Information:

```
Version 1.00
Date 08/31/04
Build Level APE115AUS
HyperThreading Disabled
```