



CFP2000 Result

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IBM Corporation
IBM xSeries 336 (3.6GHz Xeon)

SPECfp2000 = 1641
SPECfp_base2000 = 1625

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	55.4	2891	55.4	2887	
171.swim	3100	160	1936	160	1936	
172.mgrid	1800	119	1509	119	1512	
173.applu	2100	145	1444	137	1533	
177.mesa	1400	74.9	1869	74.9	1869	
178.galgel	2900	136	2129	138	2101	
179.art	2600	93.3	2785	93.3	2785	
183.earthquake	1300	67.1	1937	67.1	1937	
187.facerec	1900	108	1758	108	1758	
188.amp	2200	230	958	224	983	
189.lucas	2000	109	1831	109	1831	
191.fma3d	2100	144	1456	144	1456	
200.sixtrack	1100	174	634	164	672	
301.apsi	2600	215	1208	215	1208	

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: 4GB (8x512MB 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 (-xP not used to enable cross-compilation)

PASS2=-prof_use

Peak Tuning:

168.wupwise: -xP -fast -ansi_alias +FDO

171.swim: -xP -fast -ansi_alias +FDO

172.mgrid: -xP -fast -ansi_alias +FDO

173.applu: -xP -fast -scalar_rep- -auto +FDO

177.mesa: -xP -fast -alias_args -scalar_rep- +FDO

178.galgel: -xP -fast -ansi_alias +FDO

179.art: basepeak=yes

183.earthquake: basepeak=yes

187.facerec: basepeak=yes

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Notes/Tuning Information (Continued)

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