



CFP2000 Result

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IBM Corporation
IBM xSeries 336 (3.6GHz Xeon)

SPECfp_rate2000 = 27.4
SPECfp_rate_base2000 = 27.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	69.7	53.2	2	69.8	53.2
171.swim	2	303	23.8	2	303	23.8
172.mgrid	2	206	20.2	2	206	20.3
173.applu	2	227	21.4	2	218	22.3
177.mesa	2	74.9	43.3	2	74.9	43.3
178.galgel	2	186	36.2	2	187	36.0
179.art	2	158	38.3	2	158	38.3
183.quake	2	112	26.9	2	112	26.9
187.facerec	2	135	32.7	2	135	32.7
188.amp	2	250	20.4	2	247	20.6
189.lucas	2	203	22.9	2	203	22.9
191.fma3d	2	194	25.1	2	194	25.1
200.sixtrack	2	174	14.7	2	164	15.6
301.apsi	2	250	24.2	2	250	24.2

Hardware

CPU: Intel Xeon processor, 800MHz FSB
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 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.quake: basepeak=yes
187.facerec: basepeak=yes



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Notes/Tuning Information (Continued)

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