CONTENTS

1.	STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS AND INFINITE DIMENSIONAL MARTINGALE PROBLEMS	
м.	CHALEYAT-MAUREL Hypoellipticité des équations aux dérivées partielles	
A.	stochastiques à coefficients aléatoires CHOJNOWSKA-MICHALIK Stationary distributions for [∞] -dimensional linear	3
N.	equations with general noise	14
ħ	Non-linear evolution equations and functionals of measure-valued branching processes	25
	DNA distribution as a measure valued process GRIGELIONIS and R. MIKULEVICIUS	35
A.	Weak solutions of stochastic evolution equations	43
G.	Stability of parabolic equations with boundary and pointwise noise	55
A.5	Stochastic partial differential equations and renormalization theory (stochastic quantization)	67
	On the regularity of the solutions of stochastic partial differential equations	71
2.	FLUCTUATIONS AND ASYMPTOTIC ANALYSIS OF FINITE AND INFINITE DIMENSIONAL SYSTEMS	
	DAWSON Asymptotic analysis of multilevel stochastic systems	79
	Space scaling limit theorems for infinite particle branching brownian motions with immigration	91
	An invariance principle for martingales with values in Sobolev spaces	100
	Large deviations for stationary Gaussian processes	108
	/. WIHSTUTZ	
	Asymptotic expansion of the Lyapunov exponent and the rotation number for the schödinger operator	113
v.v	Asymptotic expansion of the Lyapunov exponent and	
	Asymptotic expansion of the Lyapunov exponent and the rotation number for the schödinger operator with random potential	
3. J.M	Asymptotic expansion of the Lyapunov exponent and the rotation number for the schödinger operator with random potential	121
3. J.M	Asymptotic expansion of the Lyapunov exponent and the rotation number for the schödinger operator with random potential	121 131
3. J.M H.J	Asymptotic expansion of the Lyapunov exponent and the rotation number for the schödinger operator with random potential	121 131 143

U.G.	HAUSMANN	
	On the drift of a reversed diffusion	164
U.G.	HAUSMANN and E. PARDOUX	
	Time reversal of diffusion processes	176
M. M	USIELA	
	Divergence, convergence and moments of some integral	
	functionals of diffusions	183
E. Pl	LATEN	
	On first exit times of diffusions	192
4. F	ILTERING	
R.J.	ELLIOTT	
D.I.	Smoothing for a finite state Markov process	199
	Some remarks on gaussian solutions and explicit	
c v	filtering formulae	207
G. N	ALLIANPUR White noise theory of filtering. Some robustness and	
	consistency results	217
т. к	URTZ and D. OCONE	
	A martingale problem for conditional distributions	004
	and uniqueness for the nonlinear filtering equations	224
H. 5	USSMANN	
	Continuous versions of the conditional statistics of nonlinear filtering	225
		233
5. C	ONTROL THEORY	
A. B	ENSOUSSON, L. BOCCARDO and F. MURAT	
	Homogenization of Bellman equations	249
N.J.	CUTLAND	
	Partially observed stochastic controls based on a	
	cumulative digital read out of the observations	261
G. D.	A PRATO	
	Some results on Bellman equation in Hilbert spaces and	
	applications to infinite dimensional control problems	270
W. F.	LEMING, E. PANAGIOTIS and E. SOUGANIDIS	
	A PDE approach to asymptotic estimates for optimal	
	exit probabilities	281
P.L.	LIONS	
	Optimal stochastic control with state constraints	286
G. M.	AZZIOTTO, L. STETTNER, J. SZPIRGLAS and J. ZABCZYK	
	On impulse control with partial observation	296
J.L.	MENALDI and M. ROBIN	
	Construction and control of reflected diffusion	200
	with jumps	JU9