

TABLE OF CONTENTS

Dominique BAKRY : "L'HYPERCONTRACTIVITE ET SON UTILISATION EN THEORIE DES SEMI-GROUPES"		1
0.	Introduction	2
1.	Le semigroupe d'Ornstein-Uhlenbeck sur R et le théorème de Nelson	4
2.	Semigroupes à noyaux positifs	22
3.	Inégalités de Sobolev logarithmiques	37
4.	Inégalités de Sobolev et estimations de la densité du semigroupe	60
5.	Estimations non uniformes	78
6.	Courbure et dimension des diffusions	90
	References	112
Richard D. GILL : "LECTURES ON SURVIVAL ANALYSIS"		115
1.	Introduction : survival and hazard	117
2.	Product-integration	119
3.	Markov processes and product-integrals	128
4.	Analytic properties of product-integration	132
5.	Nelson-Aalen, Kaplan-Meier and Aalen-Johansen	137
6.	Kaplan-Meier : the empirical process approach	140
7.	The martingale connection	146
8.	Glivenko-Cantelli for Kaplan-Meier	151
9.	Confidence bands for Kaplan-Meier	159
10.	Martingales, point processes and Markov processes	164
11.	Empirical processes revisited : van der Laan's identity	169
12.	Dabrowska's multivariate product-limit estimator	174
13.	Laslett's line-segment problem	181

14.	KaplaMeier for a spatial point process	204
15.	Cryptography, statistics and the generation of randomness	221
A.	Appendix; Product-integrals in TEX	234
B.	Bibliography	236
Stanislav A. MOLCHANOV : "LECTURES ON RANDOM MEDIA"		242
	1. Introduction	243
I.	Homogenization	259
	2. General principles of homogenization. Examples	259
	3. Example of homogenization	270
	4. Random walks in non-stationary R.M.	281
	Conclusion to chapter I	289
II.	Localization	296
	5. The general introduction	296
	6. Localization Theorems for large disorder. Examples	307
	7. One-dimensional localization	324
	Conclusion to chapter II	341
III.	Intermittency	356
	8. Parabolic Anderson model with the stationary random potential	356
	9. Non-Stationary Anderson Parabolic Model	372
	10. Cell-dynamo	386
	Conclusion to chapter III	400
	References	406