

Contents in Brief

1	PROBABILITY SPACE	1
2	PROBABILITY MEASURE	15
3	RANDOM VARIABLES: GENERALITIES	63
4	RANDOM VARIABLES: THE DISCRETE CASE	79
5	RANDOM VARIABLES: THE CONTINUOUS CASE	119
6	GENERATING RANDOM VARIABLES	177
7	RANDOM VECTORS IN \mathbb{R}^n	210
8	CHARACTERISTIC FUNCTION	255
9	MOMENT-GENERATING FUNCTION	280
10	GAUSSIAN RANDOM VECTORS	300
11	CONVERGENCE TYPES. ALMOST SURE CONVERGENCE. L^p-CONVERGENCE. CONVERGENCE IN PROBABILITY	338
12	LIMIT THEOREMS	372
13	APPENDIX A: INTEGRATION THEORY. GENERAL EXPECTATIONS	421
14	APPENDIX B: INEQUALITIES INVOLVING RANDOM VARIABLES AND THEIR EXPECTATIONS	434

