

CONTENTS

Communications

A. Irle: Minimax stopping times and games of stopping	11
M. Janžura: Parameter estimation for a spatial regression model with stationary noise	23
R. Jiroušek: Reasoning and derivation of knowledge in probabilistic expert systems	31
J. Jurečková: Tests of Kolmogorov-Smirnov type based on regression rank scores	41
V. Kaňková: A note on the stability in stochastic programming problems	51
D. Kazakos: Asymptotically tight error bounds for multihypothesis testing using large deviation theory	61
P. Kirichuk: On probabilistic formula for the solution of the abstract Cauchy problem	93
M. Kisielewicz: Weak compactness in spaces $C(S, X)$	101
W. Krajewski: Non-cooperative decision problems with risk	107
I. Kramosil: Parallel probabilistic searching algorithms on systolic arrays	119
O. Kříž: A new algorithm for decision making with probabilistic background	135
M. Krzyško, W. Wolyński: Group classification rules	145
H.-U. Kuenle: Markov games with complete information and average cost criterion	155
P. Lachout: Empirical distribution function in regression model	165
J. Machek, J. Zichová: A test of fit for a binomial distribution	169
M. Mareš: Values of cooperative game: A few remarks and questions	181
F. Matúš: Ascending and descending conditional independence relations	189
K. L. Mehra, Y. S. R. Krishnaiah, M. S. Rao: Weak convergence of conditional empirical processes and conditional quantile estimators for weakly dependent sequences	201
R. Mesiar: Fuzzy uncertainty measures and the Bayes principle	227
J. Michálek: Levinson's algorithm and I -divergence	239
S. Novak: Inference about the Pareto-type distribution	251
P. E. Oliveira: Relative compactness in weak invariance principles	259

A. Otáhal: Ergodic coefficient in non-homogeneous Markov chains	269
D. Pantič, P. Peruničić: Approximating diffusions through random evolution	275
Z. Prášková: Empirical Edgeworth expansion and bootstrap in $AR(1)$ models	281
V. V. Prelov, E. C. van der Meulen: The capacity region of the two-way channel with additive almost Gaussian noise under moment constraints	295
C. Robert, P. Crémilleux, P. Francois, J. Demonget: Markov random fields for medical decision making: observable networks	311
L. Rüschemdorf: Completeness in location and point process models	323
T. Sasagawa: Some stability results for linear stochastic systems with multiplicative noise	331
J. P. M. Schalkwijk: A new lower bound for the binary multiplying channel	341
H. Schmidbauer: Applications of a point process model: Mortality analysis and the $M(t)/G/\infty$ queueing system	349
J. Šindelář: A note on Kolmogorov complexity and Martin-Löf tests	357
K. Sladký: Constrained multiplicative Markov decision chains	361
A. Stefanescu: Optimal measurable decisions in mathematical programming and game theory	369
M. Studený: Conditional independence relations have no finite complete characterization	377
F. Štulajter: Some aspects of kriging	397
A. Swishchuk: Semi-Markov random evaluations: A survey of the recent results	403
J. Tiedge: Estimation in renewal processes from short time observations	415
I. Vajda: Consistent estimation of distributions from polish spaces using minimum distance	423
M. J. Valderrama, R. Gutiérrez: On the construction of an optimal linear stochastic system	429
V. de Valk: Hilbert space representations of one-dependent processes	439
J. Á. Vášek: A proposal of model selection: Stability of linear regression model	451
P. Volf: Estimation procedures for nonparametric regression models of lifetime	463
I. Vrana: Ambiguity resolving of estimates for sawtooth quantities with normal observation errors	469

W. Wajda: Non-homogeneous semi-markov process as a model of the renewable series system	477
P. P. Zrelov, V. V. Ivanov: Test statistics $\omega_n^3 = n^{\frac{3}{2}} \int_{-\infty}^{\infty} [S_n(x) - P(x)]^3 dP(x)$ and its main properties	487