## THE ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 4 Summer 1974 Number 3 CONTENTS Introduction Recession of some relativistic Markov processes By R.M. Dudley ...... 401 Stochastically perturbed dynamical systems By Wendell H. Fleming ...... 407 Limit theorems for a class of multiplicative operator functionals of Brownian motion Random evolutions: A survey of results and problems By Reuben Hersh ...... 443 Recent results on the stochastic Ising model By Richard Holley ...... 479 A stochastic model related to the telegrapher's equation Probabilistic methods in some problems of scattering theory By U. Mark Kac ...... 511 Optimal stopping and free boundary problems By Pierre van Moerbeke ...... 539 The skorokhod representation By Stanley Sawyer ..... 579