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Zhi-Ming Ma is a Professor at the Institute of Applied Mathematics (AMSS, CAS) and fellow of the Chinese Academy of Sciences. He has been President of Chinese Mathematical Society, Chairman of the Organizing Committee of ICM2002 and a member of the Executive committee of IMU. He is currently President of the Chinese Society of Probability and Statistics. He has obtained a number of awards and honors, among them, the Max-Plank Research Award,1992; the Chinese National Natural Sciences Prize, 1993; Invited Speaker at the International Congress of Mathematicians, 1994; the S.S. Chern Mathematics Prize, 1995, and Honorary Degree of Doctor of Science, Loughborough University, U.K., 2004. His research is focused on the study of Random Complex Networks and Information Retrieval.

Lampability of Continuous States Markov Jump Processes

Abstract
In the settings that the state space is finite or discrete, whether a transformation of a Markov chain enjoys still Markov property is known as "lampability of Markov chains". In this talk I shall describe a verifiable condition for a transformation of a continuous states valued Markov jump process enjoys still Markov property, and discuss some aspects related to this topic. Our results have applications in the study of modeling genetic coalescent processes with recombination. The talk is based on my recent joint work with Xian Chen.