

Some hope for the Buridan's donkey...and other stories

Monday, July 9, 2018 9:00 AM (1 hour)

We describe the asymptotic behavior of the Buridan's wandering using technics developed to study iterated Lipschitz functions systems with possibly place dependent probabilities. Under some general conditions on this family of probabilities and using quasi-compact linear operators technics, we obtain a necessary and sufficient condition for the uniqueness of the stationary probability measure for this chain and explore the case when it does not hold

Primary author: Prof. PEIGNE, Marc (Laboratoire de Mathématiques et Physique Théorique, Faculté des Sciences et Techniques Université François Rabelais, France.)

Presenter: Prof. PEIGNE, Marc (Laboratoire de Mathématiques et Physique Théorique, Faculté des Sciences et Techniques Université François Rabelais, France.)