Seminar of Probability and Stochastic Process

Monday, 8th of June, from 16h10
MA A1 12, EPFL, Ecublens

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EPFL

Is there a mutation threshold?

Abstract:

We consider a branching model for an evolving population. We show that in the presence of genotype extinctions the population dies out for a low mutation probability but may survive for a high mutation probability. This turns upside down the widely held belief that above a certain mutation threshold a population cannot survive.

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