

Inn'formal Probability Seminar

Ecaterina Sava-Huss (Universität Innsbruck)

“Rotor walks: in between random and deterministic”

Abstract

Rotor walks are deterministic counterparts of random walks. While rotor walks simulate the expected behaviour of random walks on one hand, they also exhibit striking differences when compared with random walks on the other hand. For instance in what concerns properties such as transience or recurrence, the two processes may behave completely different. I will give a gentle introduction to such processes and state several open problems, problems that are „claimed“ to be solved by physicists, but from the mathematical point of view, we are still lacking rigorous proofs.

Tuesday | 17.10.2023 | 14:15
SR 606 | civil engineer building