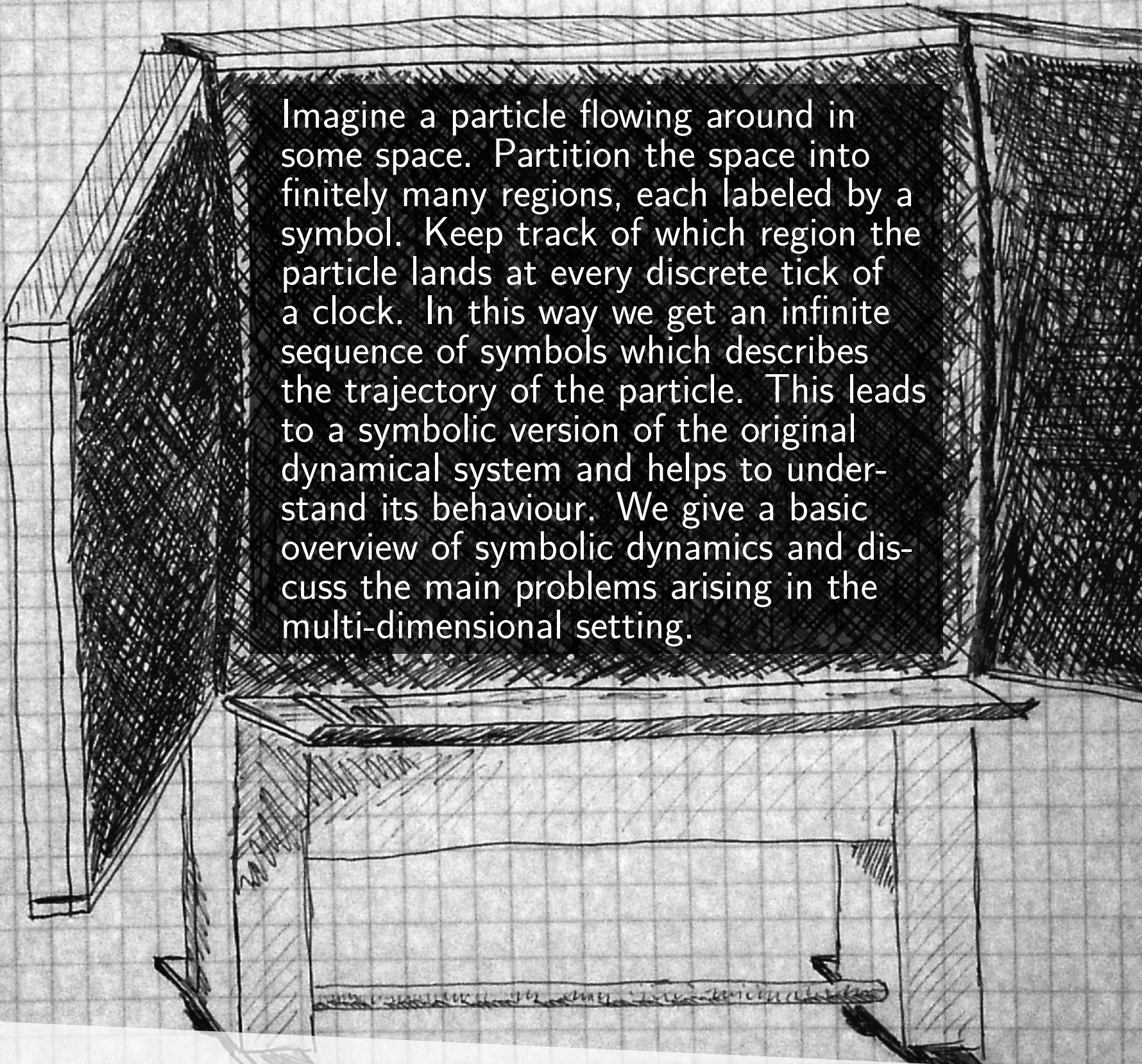


PhD Colloquium

May 17th 2017, 15:15–16:00

HS05

An Introduction to Symbolic Dynamics by Gabriel Strasser



Imagine a particle flowing around in some space. Partition the space into finitely many regions, each labeled by a symbol. Keep track of which region the particle lands at every discrete tick of a clock. In this way we get an infinite sequence of symbols which describes the trajectory of the particle. This leads to a symbolic version of the original dynamical system and helps to understand its behaviour. We give a basic overview of symbolic dynamics and discuss the main problems arising in the multi-dimensional setting.

**Master Students, PhD Students, Postdocs
and other members of the Faculty of
Mathematics are cordially invited!**

Organised by the Vienna Doctoral School of Mathematics.