

PHYSIKALISCHES KOLLOQUIUM

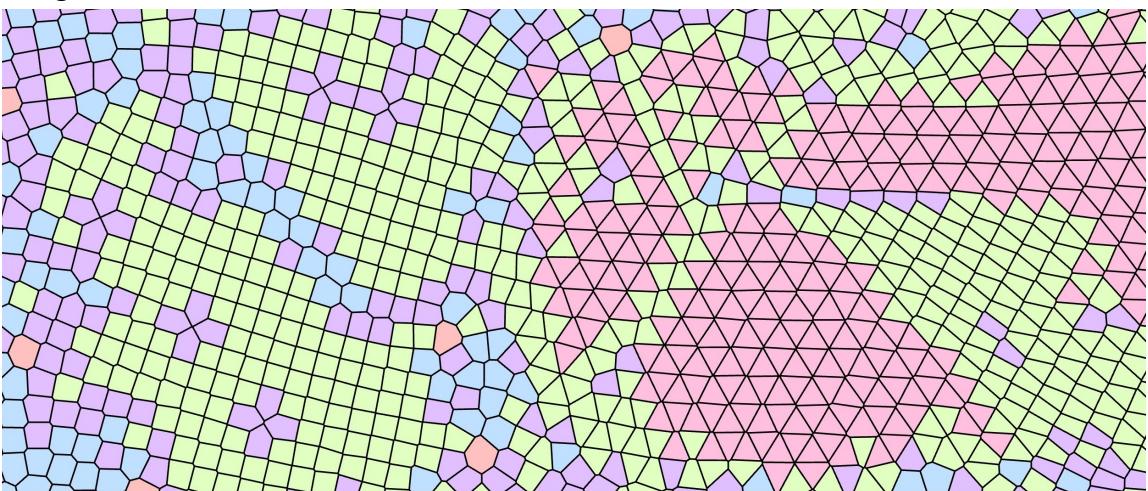
WINTERSEMESTER 2023/24

Montag, 30.10.2023, 12 Uhr c.t.

A CONCEPTUAL MAPPING OF THE UNCHARTED, FAR-FROM-EQUILIBRIUM TERRITORIES

Serim Ilday, Ruhr Universität Bochum

The talk will revolve around a deceptively simple-sounding but notoriously challenging question at the nexus of condensed matter, statistical and nonlinear physics: „*When far from equilibrium, in the presence of fluctuations, and faced with multiple steady states with small energy differences, how does a system evolve?*“ I will argue that the triple mechanism of nonlinearity, fluctuations, and feedback mechanisms is the key machinery for the structural and behavioural emergence and sustenance of complexity under strongly stochastic and highly nonlinear settings, which a handful of control nobs can guide.



Die Einführung erfolgt durch Ilya Eremin

Die Fakultät lädt alle Interessierten herzlich ein. Die
Veranstaltung findet im Hörsaal HZO 20 statt.



Physik und Astronomie
from matter to materials