

Sommer-
semester 24

Nichtlineare Dynamik und Strukturbildung

Nonlinear dynamics and pattern formation study how complex systems create ordered patterns. From biological oscillators to chemical reactions, we explore systems far from equilibrium. Through mathematics and theoretical physics, we uncover the principles behind the formation of coherent structures, shedding light on phenomena like turbulence and synchronization. This module provides an understanding of bifurcations, chaos, and emergence of order in natural and artificial systems.

Target audience:

(Bio-)Physics B.Sc. and M.Sc.
Guests from other programs
(Biology, Computer Science,...)
are welcome!

Where:

Building E2 6
Room E11 (0.11)

When:

Wednesdays at 10c.t.
Thursdays at 12c.t.
Start: 17.04.2024

Module code:

149535

Contact:

Dr. habil. Philipp Hövel (philipp.hoevel@uni-saarland.de)

