

Themenvorschläge für das Masterseminar “Theorie komplexer Systeme”

– Sommersemester 2017 –

1) Selbstantriebsmechanismen aktiver kolloidaler Teilchen

Self-propulsion mechanisms of active colloidal particles

Literatur: [1–5]

2) Motilitätsinduzierte Phasenseparation

Motility-induced phase separation

Literatur: [6–8]

3) Cahn-Hilliard-Gleichung

Cahn-Hilliard equation

Literatur: [9, 10]

4) Klassische dynamische Dichtefunktionaltheorie

Classical dynamical density functional theory

Literatur: [11–14]

5) Akustische Pinzetten

Acoustic tweezers

Literatur: [15, 16]

6) Stochastische Resonanz

Stochastic resonance

Literatur: [17]

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