I. THEMEN MASTERSEMINAR WINTERSEMESTER 2015-16

A. Fronten, Pulse, Quellen und Senken in verallgemeinerten komplexen Ginzburg-Landau Gleichungen

Fronts, pulses, sources and sinks in generalized complex Ginzburg-Landau equations

Literatur: [1, 2] and references therein

B. Instabilitäten und Musterbildung auf sich verändernden Domänen

Instabilities and pattern formation on time-varying domains

Literatur: [3, 4] and references therein

C. Reaktions-Diffusions Modelle für das Wachstum von Bakterienkolonien

Reaction-diffusion models for the growth of bacterial colonies

Literatur: [5, 6] and references therein

D. Chimären-Zustände - Koexistenz von Kohärenz und Inkohärenz

Chimera states - coexistence of coherence and incoherence

Literatur: [7, 8] and references therein

E. Physik der Zelladhäsion

Physics of cell adhesion

Literatur: [9, 10] and references therein

F. Tropfen aktiver Flüssigkeiten

Drops of active fluids

Literatur: [11, 12] and references therein

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