universität wien
Fakultät für Mathematik

Mathematisches Kolloquium

Donnerstag, 28. April 2022
Sky Lounge

EINLADUNG

Wilhelm Schlag
Department of Mathematics, Yale University

„Asymptotic stability and soliton resolution for evolution PDEs“

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Abstract:
This talk will be a survey of results pertaining to the long-term dynamics of evolution partial differential equations. The emphasis lies on basic notions and results from dynamical systems, such as invariant manifolds and omega limit set. While these notions are directly applicable to dissipative PDEs, Hamiltonian PDEs do not fall under the scope of classical convergence theorems. Nevertheless, recent results on the soliton resolution problem for wave maps draw on ideas from dynamical systems in the form of one-pass type theorems. We will discuss some of these developments.

16.00 Uhr: Kaffeejause

16.30 Uhr: Vortrag

Radu Ioan Bot, Roland Donninger

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