

GASTVORTRAG

Das Institut für Mathematik lädt zu folgendem Vortrag ein:

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Adaptivity for Splitting Schemes for Nonlinear Schrödinger Equations

We give an overview on recent work on a posteriori error estimation and time-adaptive integration of nonlinear evolution equations of Schrödinger type. In particular, splitting techniques combined with spectral approximations in space are considered. The computation of a posteriori local error estimates can be based on optimized embedded pairs of schemes, the use of the adjoint of an (optimized) scheme, or defect-based evaluations. We discuss the construction and implementation of such error estimators and present some examples.

Zeit: Montag, den 24. Juli 2017 um 15:00 Uhr

Ort: Bauing.-Gebäude, Technikerstraße 13, HSB 1

Gäste sind herzlich willkommen!

Mechthild Thalhammer