Oberseminar Numerik

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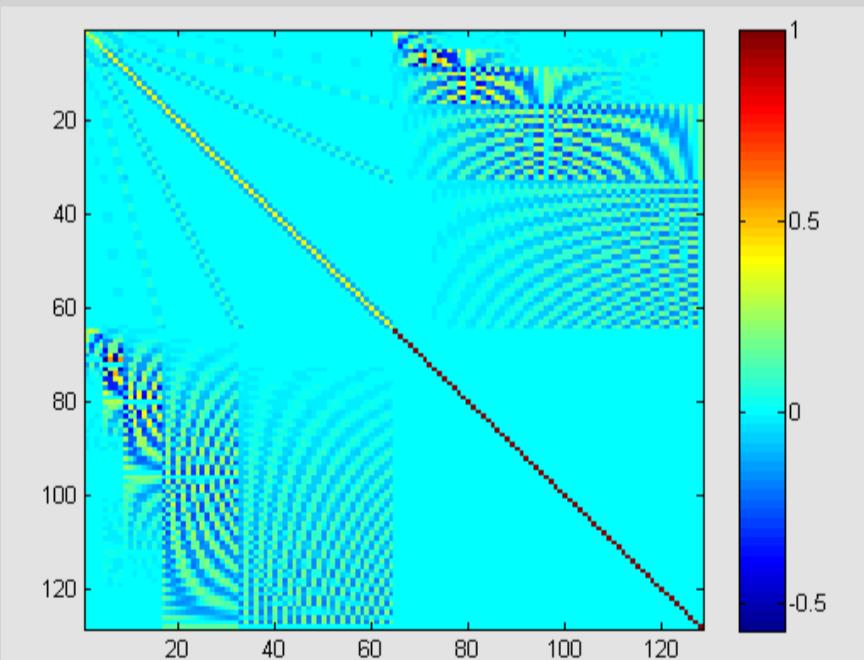
14.10.2020
10:00 Uhr

über MS TEAMS

„(S)-convergence and approximation of oscillatory solutions in fluid dynamics"

Abstract:

We propose a new concept of (S)-convergence applicable to
numerical methods as well as other consistent approximations of
the Euler system in gas dynamics.
(S)-convergence, based on averaging in the spirit of Strong Law of Large
Numbers,
reflects the asymptotic properties of a given approximate sequence
better than the standard
description via Young measures. Similarity with the tools of ergodic
theory is discussed.

Hierzu sind alle herzlich eingeladen.

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