

Im

Oberseminar Analysis

hält

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einen Vortrag zum Thema

Nonlocal H-convergence for topologically nontrivial domains

Abstract:

We introduce the concept of nonlocal H-convergence for domains with non-vanishing harmonic Dirichlet and/or Neumann fields. For domains satisfying the Maxwell compactness property there exists a canonical topology leading to homogenisation theorems for nonlocal problems in electro/magneto-statics. The concept is consistent with classical H-convergence for matrix-valued multiplication operators and paves the way for new compactness results in the context of Maxwell's equations.

The talk is based on the findings in [arXiv:2204.12315](https://arxiv.org/abs/2204.12315).

Datum: **Donnerstag, 12. Mai 2022**

Zeit: **15:15 Uhr**

Raum: **WIL C 129**

Ansprechpartner: Prof. Dr. Ralph Chill

Alle Interessenten sind herzlich eingeladen.