Fakultät Mathematik   Dresden, 7. November 2022
Institut für Analysis

Im

Oberseminar Analysis

hält

Dr. Shane Cooper

University College London, Dept. of Mathematics

einen Vortrag zum Thema

Asymptotic approximations, with error, for high-contrast multi-scale degenerate elliptic spectral problems

Abstract:
In this talk, I present a general theory to study the asymptotic behaviour, with error, of spectra for non-uniformly elliptic periodic systems with respect to a small parameter (the period).
Application to the so-called high-contrast/double-porosity problem is discussed and a comparison with our results and the well-known two-scale homogenized approximation model is presented.
This is joint work with Ilia Kamotski and Valery Smshlyaev (both at UCL).

Datum: **Donnerstag, 24. November 2022**
Zeit: **15:15 Uhr**
Raum: **WIL C 129**

Ansprechpartner: Prof. Dr. R. Chill

Alle Interessent:innen sind herzlich eingeladen.