Revisit Heterogeneous Multiscale Methods

Xingye Yue

Soochow University

In this talk, we will revisit the Heterogeneous Multiscale Methods (HMM) for homogenization of elliptic problems. Firstly, we talk about the relationship between HMM and other multiscale methods such as Variational Multiscale Methods. Then, we discuss the error analysis for problems without scale separation.