

Minisymposium: Asymptotic Methods in Partial Differential Equations

G. Panasenko, organizer, G. Cardone, organizer

Dedicated to the memory of Nikolai Bakhvalov

Aims and scope. A great number of applied problems contains small parameters. Normally their presence either in equations or in a domain makes the numerical implementation more complicated, more time and memory consuming. This issue emphasizes the importance of the asymptotic methods studying the behavior of the solution as a small parameter tends to zero. The main trend in asymptotic methods today is the development of multi-scale models combining the macroscopic description with microscopic zooms. Various convergence theorems as well as asymptotic expansions of a solution will be presented at the minisymposium organized in the frame of the 6-th European Conference on Elliptic and Parabolic Problems.

Participants

P. Donato (Rouen, France)
D. Cioranescu (Paris, France)
M. Boukrouche (St-Etienne, France)
T. A. Suslina (St-Petersburg, Russia)
M. E. Perez (Santander, Spain)
M. Cicalese (Naples, Italy)
A. Gaudiello (Cassino, Italy)
R. Hajidi (Paris-12)
I. Kamotsky (Bath)
M. Cherdantsev (Cardiff)
V. Zhikov (Vladimir)