Homogenization of convolution type operators.

Andrey Piatnitski Arctic University of Norway, Narvik

Abstract.

The talk will focus on homogenization of zero order convolution type operators both in periodic and in random media. For periodic non-symmetric operators we will show that homogenization takes place in a moving frame.

We will also discuss representation results for possible limits of a family of convolution type operators that satisfy certain coerciveness and moment conditions.