

Γ -convergence for strongly local Dirichlet forms in open sets with holes with homogeneous Neumann boundary conditions.*

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Abstract

We consider the homogenization problems with holes for strongly local Dirichlet forms in the cases in which we have Dirichlet homogeneous conditions on the boundaries of holes or Neumann homogeneous conditions on the boundaries of holes. In the first case the results we give here are mainly contained in the papers [5], [6] see also [2], [3], [1]); in the second case the main difficulties arrive from the absence of a group structure on the underlying space and then from the non-periodic distribution of the holes. The complete proofs of the results will appear in the paper [4].

References

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