Recent results for boundary value problems concerning general Brinkman operators in Lipschitz domains. Applications

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In this talk we present recent results for boundary value problems concerning general Brinkman operators on arbitrary Lipschitz domains in the Euclidean setting or compact Riemannian manifolds. These results have been obtained by using the theory of pseudodifferential operators and potential theory. Applications to special problems in fluid mechanics are also considered.

This talk is based on a joint work with W. L. Wendland.