

The Neumann problem in oscillating thin domains

Marcone Pereira*

*IME-USP

Resumo

In this talk we discuss some recent results about the asymptotic behavior of the solutions of a semilinear parabolic equation with homogeneous Neumann boundary conditions posed on thin domains with locally periodic structure on the boundary. We discuss the limit problem dependence with respect to the geometry of the thin domain and its oscillating boundary also studying the convergence of the global attractors.