

PROPAGATION OF INTERACTING SPECIES IN A SPECIAL ENVIRONMENT

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The purpose of this talk is to study the existence of a nontrivial solution for an elliptic system which comes from a newly introduced mathematical problem so called Field-Road model. Specifically, it consists of coupled equations set in domains of different dimensions together with some interaction of non classical type. We consider a truncated problem by imposing Dirichlet boundary conditions and an unbounded setting as well. (Joint work with Mingmin Zhang, USTC).

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