CONTROLLABILITY OF NONLINEAR SCHRODINGER EQUATIONS ON TORI

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摘要： In this talk, I would like to introduce some recent results on exact controllability for quasi-linear Hamiltonian Schrodinger equations on tori of dimension d ⩾ 2. The result holds true for sufficiently small initial conditions satisfying natural minimal regularity assumptions, provided that the region of control satisfies the geometric control condition. This work is in collaboration with Felice Iandoli.