

WORKING GROUPS PDE

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Null-Controllability of viscous Hamilton-Jacobi equations

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We discuss the problem of null controllability for viscous Hamilton-Jacobi equations under the action of localized controls. We show that all initial data can be controlled in a sufficiently large time. However, the control time depends on the initial data and a waiting time can be observed. We therefore estimate the waiting time in terms of the sup-norm of initial data, both for small and for large initial data.