

Exact Boundary Controllability for Quasilinear Hyperbolic Systems

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By means of a result on the existence and uniqueness of the semi-global C^1 solution to the mixed initial-boundary value problem for first order quasilinear hyperbolic systems with general nonlinear boundary conditions, we establish the exact boundary controllability for quasilinear hyperbolic systems if the C^1 norm of initial and final states is small enough.