Seminário Luiz Adauto Medeiros de Análise e EDP

27/08/2025 às 12:10h IM-UFRJ, CT sala C-116

Boundary controllability for the Benjamin equation posed on a bounded domain

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Resumo: This work deals with the boundary controllability properties of the Benjamin equation posed on a bounded domain. We show that the equation is exactly controllable by controls that depend only on time and acts on the boundary conditions of the system. We prove that the exact controllability property is established for the linearized system through a method based on Fourier expansion of solutions of the adjoint system and Hilbert Uniquenesss Method (H.U.M).

