

Stabilization results for KdV equations with delay

Wednesday, October 18, 2023 3:00 PM (1 hour)

In this talk, the exponential stability of the nonlinear Korteweg-de Vries equation with delayed terms is considered both in the case of a bounded interval and a tree-shape network. We will give two types of proof, one constructive with some Lyapunov techniques and the other more general with observability results. We will also discuss the results from a numerical point of view. This is joint work with L. Baudouin, J. Valein, C. Prieur and H. Parada.

Presenter: CRÉPEAU, Emmanuelle