

A conservation law with spatially localized sublinear damping

jeudi 13 septembre 2018 16:00 (30 minutes)

we consider a general conservation law on the torus, in the presence of a sublinear damping, possibly localized in space. It is known for many equations subject to constant sublinear damping that solutions become zero in finite time. We will present in the talk the effect of a localized in space damping for 1D conservation law and present various numerical results for more general equations highlighting this effect.

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