



V. I. R. Prigogine

Nobel Laureate noted for his work on dissipative structures.

Nonlocal Problems for m -dissipative Evolution Inclusions

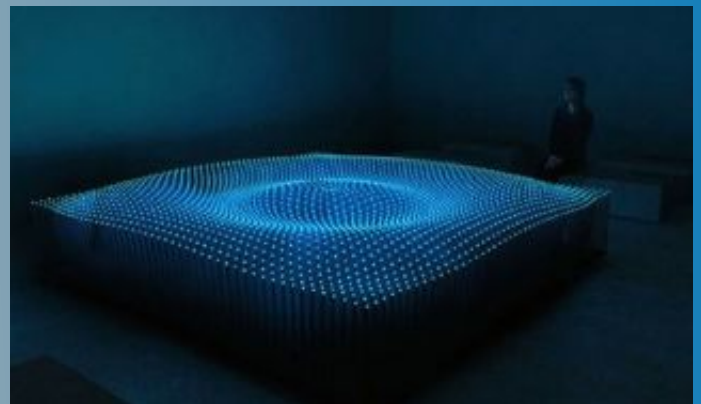
In systems and control theory, dissipative systems are dynamical systems with states $x(t)$, inputs $u(t)$ and outputs $y(t)$, which satisfy the so-called "dissipation inequality".

In this talk, we will discuss the proof of the existence of solutions for one-sided Lipschitz perturbations of general m -dissipative evolution inclusions with nonlocal initial conditions in Banach spaces with uniformly convex duals. Moreover, we will discuss examples to illustrate the applicability of our result.

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