

SEMINARIO

OPTIMIZACION Y EQUILIBRIUM

ESPOXITOR

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Título:

Nonconvex sweeping processes involving maximal monotone operators

Abstract:

By using a regularization method, we study in this paper the global existence and uniqueness property of a new variant of nonconvex sweeping processes involving maximal monotone operators. The system can be considered as a maximal monotone differential inclusion under a control term of normal cone type forcing the trajectory to be always contained in the desired moving set. When the set is fixed, one can show that the unique solution is right-differentiable everywhere and its right-derivative is right-continuous.

Nonsmooth Lyapunov pairs for this system are also analyzed.

Miércoles 05 de Octubre a las 16:30 hrs, Sala de Seminarios John Von Neumann CMM.

