

SEMINARIO

OPTIMIZACIÓN Y EQUILIBRIO

EXPOSITOR

Dr. Francisco Silva
Universidad de Limoges Francia

TITULO

A proximal splitting method to solve some stationary mean field game systems

RESUMEN:

In this talk we present a proximal splitting method to solve a discretized version of a mean field game problem with local interactions, introduced by Achdou et al. The presence of local interactions imply that, at the continuous level, the mean field game system can be formally obtained as the optimality condition of an associated variational problem. The same argument applies in the discretized version. However, since one of the term in the cost is only sub-differentiable, a suitable splitting method is used in order to obtain a globally convergent algorithm.

Miércoles 20 de Enero a las 16:30 hrs, Sala de Seminarios John Von Neumann CMM, Beauchef 851, Torre Norte, Piso 7.

