

## **Hyperbolicity is key to uniqueness for minimizers of an energy with linear growth**

In this joint work with Jean-François Babadjian Euler-Lagrange equations for the minimizers of a relaxed energy with linear growth are investigated. Regularity results for the possible minimizers are established and a continuity equation is exhibited for the possibly non unique part of the gradient of the minimizer. Although the theory of regular Lagrangian flows fails in our context, we give a thorough description of the associated characteristics in a special case for which additional regularity can be exacted.