

Symplectic embeddings of Lagrangian products via billiards

Vinicius Gripp Ramos¹, Daniele Sepe²

¹ IMPA

² UFF

I will talk about some recent results concerning the rigidity of many symplectic embedding problems involving lagrangian products. I will explain how to use some methods from integrable systems to prove that many Lagrangian products are toric manifolds and how to use contact homology capacities to obtain the sharp obstructions.