

Embedding problems in disk cotangent bundles

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Abstract

In this talk I will explain how to compute the Gromov width of the disk cotangent bundle of ellipsoids of revolution. The proof of this result uses techniques coming from integrable systems and Embedded Contact Homology. This is joint work with Brayan Ferreira and Vinicius Ramos. I shall also report on related results (in progress, with Santiago Achig and Renato Vianna), where we realize these spaces and others (some in dimension 6) as almost toric fibrations, allowing us to reobtain previous embedding results and new ones.