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Representation and Number Theory Seminar

Lagrangian Fillings of Legendrian links

by

Professor Roger Casals
University of California Davis

Abstract:

In this talk, I will discuss the current state of the classification of Lagrangian fillings of Legendrian knots in the standard contact 3-sphere. This is a central problem in low-dimensional contact and symplectic topology. First, I will introduce the basic geometric objects and problems of interest. Second, I will explain the many developments that have taken place this last year, introducing the main new results and the different novel techniques that have become available. Finally, I will discuss work-in-progress complementing and expanding some of these results, and state some open questions and related conjectures.

Date : March 2, 2021 (Tuesday)

Time : 9:00am – 10:00am (Hong Kong SAR)

Zoom link :

<https://cuhk.zoom.us/j/97838822137?pwd=ZTVvSC9abmNjR3RCcS9FTzJNTVhXdz09>

Meeting ID: 978 3882 2137

Passcode : sesame

All are Welcome