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Seminar

Constructing minimal-genus Seifert surface

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Abstract

It is known that knot Floer homology determines the Seifert genus of a knot, and hence so does grid homology. However, we currently don't have a combinatorial proof of that fact without invoking the equivalence between grid homology and knot Floer homology. In this talk, we will present a project that aimed to find such a proof, and at the same time a combinatorial algorithm to generate a genus-minimizing Seifert surface from a knot diagram.

Date: 31 July 2019 (Wednesday)
Time: 2:00pm – 3:00pm
Venue: Room 222, Lady Shaw Building,
The Chinese University of Hong Kong, Shatin

All are Welcome