An infinite-rank summand of the homology cobordism group

Abstract:
The homology cobordism group of integer homology three-spheres is a natural invariant of interest to four-dimensional topologists. In this talk, we recall its definition and give a short introduction to involutive Floer homology. As an application, we see that there is an infinite-rank summand of the homology cobordism group. This includes joint work with Irving Dai, Jen Hom, and Linh Truong.

Hosts: Jianfeng Lin and Lei Ni

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