

Conference on New Challenges and Perspectives in Symplectic Field Theory

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Knot Floer Homology

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Abstract

I will sketch the construction of knot Floer homology, and describe some recent advances which render the calculation of these invariants combinatorial and explicit. During the course of this talk, I outline joint work with collaborators Ciprian Manolescu, Sucharit Sarkar, Andras Stipsicz, Zoltan Szabo, and Dylan Thurston.