1171-57-110   **Sudipta Ghosh***, Lockett Hall, Field House Dr, Baton Rouge, LA 70803, and **Ian Zemke**.
                     Connected sums and directed systems in knot Floer homologies.

Knot Floer homology is an invariant of knot which was first introduced in the context of Heegaard Floer homology and later extended to other Floer theories. In this talk, we discuss a new approach to the connected sum formula using direct limits. Our methods apply to versions of knot Floer homology arising in the context of Heegaard, instanton and monopole Floer homology. This is joint work with Ian Zemke. (Received August 09, 2021)