

1096-53-744

Yakov Eliashberg* (eliash@math.stanford.edu), Department of Mathematics, Stanford University, Stanford, CA 94305. *Recent Advances in Symplectic Flexibility*.

From the first steps of symplectic topology in 1980s flexible and rigid methods were coexisting and competing. While rigid methods dominated the development, the progress on the flexible side which was achieved in the last 3 years in the work of E. Murphy, K. Cieliebak, T. Ekholm, I. Smith and the author established some limits on how far symplectic rigidity results could be extended. In particular, we will discuss new flexibility phenomena in Lagrangian intersection theory and their implications. (Received September 09, 2013)