Ypatia 2022 - June 8-10, 2022

jeudi 9 juin 2022

Abstract: In the last decades, normal form methods have been very successful in showing the long time stability of small and very smooth solutions of Hamiltonian PDEs. This assumption of regularity seems to be technically essential (to compensate the losses due to the small dividers) but, surprisingly, numerical simulations strongly suggest that the stability of small solutions should not depend on their regularity. I will present some recent results in this direction. (19:35 - 19:55)

jeudi 9 juin 2022