

Abstract

In the study of the continuity of the Lyapunov exponent for the smooth quasi-periodic Schrödinger operators, there is a pioneering result by Wang-You that the authors constructed examples whose Lyapunov exponent is discontinuous in the potential with bounded-type frequency, which is not typical since this set is of measure zero. Now in this talk, we will show this discontinuity with the Brjuno-Rüssmann frequency, which is a typical full measure set.