



Seminar/Talk

# Weak KAM solutions of conservative Twist maps of the annulus

**Maxime Zavidovique**

Institut de Mathématiques de Jussieu

Host: Kaloshin Group

When studying the dynamics of conservative Twist maps of the annulus, a first thing to look for is the presence of invariant essential circles. There may not be any and weak KAM solutions provide a more general class of objects that always exist (at all cohomology classes) and from which are deduced backward invariant sets called pseudographs. We will explain that there exists a continuous choice of such weak KAM solutions with respect to the cohomology class. Moreover we will provide a rather precise description of how those weak KAM solutions can be constructed.

**Monday, April 11, 2022 02:00pm - 03:00pm**

Mondi Seminar Room 2, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.