



DynamIST

Fast-Slow partially hyperbolic systems

Carlangelo Liverani

Mathematics Department, U. Roma Tor Vergata

Host: Vadim Kaloshin

Fast-slow systems appear naturally in many physical systems, especially in presence of locally conserved quantities. I am particularly interested in the case in which the fast variables undergo a chaotic motions. Unfortunately, while averaging and homogenization theory provide some information about the moderately long time behaviour, very little is known about the asymptotical statistical properties of such systems. To start developing a general theory for this type of systems, I will discuss the simplest possible model and illustrate which kind of results can currently be obtained. (Joint work with Roberto Castorini).

Monday, February 28, 2022 02:00pm - 03:00pm

IST Austria, Mond 2



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.

www.ista.ac.at | Institute of Science and Technology Austria | Am Campus 1 | 3400 Klosterneuburg