



Seminar/Talk

Stable motion of highly energetic particles interacting via a repelling potential

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Host: Kaloshin Group

Consider a system of any given number of particles confined in a box and interacting via a smooth repelling potential. We show that for a generic choice of the potential, if the energy is sufficiently high, then there exists a totally elliptic periodic orbit surrounded by a positive measure set of KAM-tori. This implies that such systems are not ergodic for all sufficiently high energies.

Monday, March 28, 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.

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