

Secular evolution of self-gravitating systems

Monday 17 April 2023 - Wednesday 19 April 2023

HC Seminar Room

Scientific Programme

The workshop aims to support mathematical advancements for the description of self-gravitating astrophysical systems. The workshop is built to further nurture the recent renaissance of interest in kinetic theory of self-gravitating systems, as driven by the interpretation of empirical phase space measurements from the Gaia satellite and other observational facilities.

Topics we aim to discuss:

Linear response theory

Kinematic complexity

Potential fluctuation theory

N-body approaches

Quasilinear theory

Tidal evolution theory

No pre-arranged contributed talks or invited talks are envisaged, the main goal for the workshop is to stimulate collective, open conversations and thematic contributions as blackboard discussions. Broad topics have been chosen to foster cross-pollination of expertise and ideas. Please check back for additional scheduling information.