

Relative equilibria for the n – body problem

SPEAKER

Warwick Tucker (Monash University)

DATE AND TIME

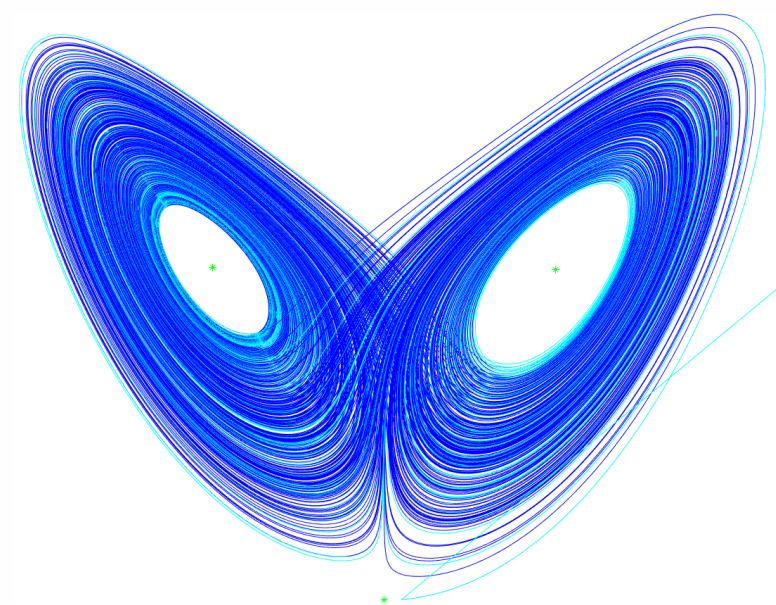
31.10.2025, Friday, 12:00-13:00

VENUE

18th Floor Auditorium, and zoom (see below)

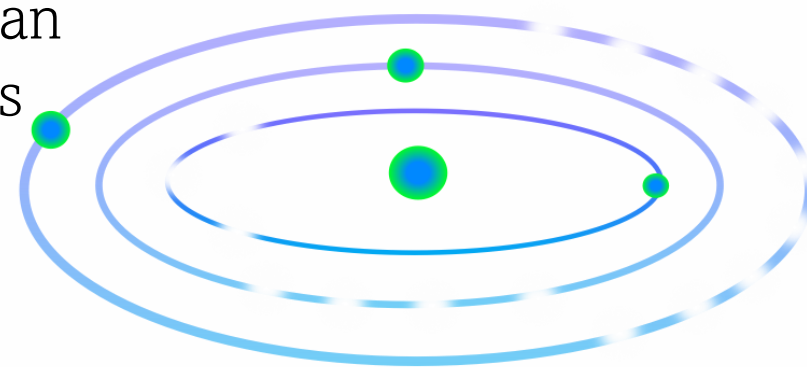
HOSTS:

Valerii Sopin and Eran Igra



Abstract:

We will discuss the classical problem from celestial mechanics of determining the number of relative equilibria a set of planets can display. Several already established results will be presented, as well as a new contribution (in terms of a new proof) for the restricted 4 – body problem. We will discuss its possible extensions to harder instances of the general problem. This is joint work with Piotr Zgliczynski and Jordi-Lluis Figueras.



Speaker background:

Warwick Tucker is a Professor at Monash University, whose fields of expertise are Dynamical Systems, Topology, Computer Assisted Proofs, and their intersections. As one of the leading experts on these topics, in 2002 he proved the equivalence between the Lorenz attractor and the Geometric Lorenz Model – thus solving the 14th Problem of Smale's Problems for the 21st Century.

Zoom meeting ID:

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Passcode:

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