
International workshop on Co-orbital Motion: modeling, understanding and exploitation

18-20 March 2024

DAY 3 – 20 March 2024

* in red the invited talks, 40 minutes + 5 minutes for questions

* in black the contributed talks, 20 minutes + 5 minutes for questions

The aim of the workshop is to find a synergy among different but related fields in order to enrich each other and gather a new perspective.

So the timetable is flexible. If we will need more time for questions or discussion we will have it.

CET (UTC+1)

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|-------------|---|
| 10:30-10:50 | Y. Qi, Beijing Institute of Technology, China
<i>Influence of non-gravitational forces on the co-orbital motion</i> |
| 10:55-11:15 | J. Li, Nanjing University, China
<i>Asymmetry in the number of L₄ and L₅ Jupiter Trojans</i> |
| 11:20-11:40 | V. Sidorenko, Keldysh Institute of Applied Mathematics RAS, Russian Federation
<i>Similarities and differences in the dynamics of known Earth quasi-satellites</i> |
| 11:45-12:05 | N. Georgakarakos, New York University, Abu Dhabi, UAE
<i>Looking for Earth Trojans: investigating the dynamical survival of deep Earth co-orbitals</i> |
| 12:10-12:30 | J.D. Gutiérrez, Universidad de Zaragoza, Spain
<i>Orbital analysis in the gravitational potential of elongated asteroids</i> |
| 12:30-14:30 | Lunch |
| 14:30-15:10 | F. Roig, National Observatory, Rio de Janeiro, Brazil
<i>The coorbital dynamics in binary systems</i> |
| 15:15-15:35 | G. Zanotti, Politecnico di Milano, Italy
<i>Orbital evolution of boulders in the Didymos-Dimorphos binary asteroid system</i> |
| 15:40-16:00 | E.M. Alessi, IMATI-CNR, Italy
<i>The temporary capture as a co-orbital motion?</i> |
| 16:05-16:25 | J.D. Castro-Cisneros, The University of Arizona, United States
<i>The Sensitivity to initial conditions of the Co-orbital outcomes of Lunar Ejecta</i> |