

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

28-30 March 2022

DAY 3 – 30 March 2022

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

 $\ast\,$ in black the contributed talks, 20 minutes + 5 minutes for questions

CEST (UTC+2)

10:50-11:10	R. I. Paez, University College Cork, Ireland On the construction of local integrals and manifold tubes in the Elliptic Restricted Three-Body Problem
11:15-11:35	F. Mokhtari, VU Amsterdam, Netherlands Versal Normal Form for Non-Semisimple Singularities
11:40-12:00	M. Giralt, Universitat Politècnica de Catalunya, Spain Chaotic coorbital motions to L3 in the Restricted Planar Circular 3-Body Problem
12:05-12:25	V. Sidorenko, Keldysh Institute of Applied Mathematics RAS, Russian Federation The investigation of coorbital motion using Wisdom's "adiabatic approximation"
12:30-14:30	Lunch
14:30-15:10	A. Leleu, University of Geneva, Switzerland Co-orbital exoplanets: formation and detection
15:15-15:35	J. Couturier, IMCCE, ASD team, UMR8028 CNRS, France Dynamics of co-orbital planets inside and outside a resonance chain: an analytical tidal model
15:40-16:00	F. Roig, Observatorio Nacional, Brazil Dynamics of circumbinary coorbital motion
16:05-16:25	M. Moraes, Universidade Estadual Paulista - UNESP, Brazil On the Dynamics of Co-orbital Giant Exomoons: Applications for the Kepler-1625 b System
16:30-17:00	Coffee Break
17:00-17:20	A. R. Dobrovolskis, SETI Institute, United States Do tides destabilize Trojan exoplanets?
17:25-17:45	B. Gladman, University of British Columbia, Canada Trojan cloud detection during exo transit monitoring

