

SHANSHAN PAN

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EDUCATION

Anhui University, China B.S. on Applied Physics Overall Rank: 3/64	2013.09 - 2017.07
Nanjing University, China M.S. on Astrometry and Celestial Mechanics	2017.09 - 2019.07
Nanjing University, China Ph.D Candidate in Astronomy	2019.09 -
Politecnico di Milano, Italy Visiting Ph.D student	2021.04 -

PREVIOUS WORKS

- Earth-Moon transfers and Lunar free return;
- Transfers from Earth to Collinear/Triangular libration points in the Earth-Moon system;
- Transfers from Sun-Earth L_2 to the Comet;
- Genealogy of resonant periodic orbit families in the Sun-Earth, Sun-Jupiter and Earth-Moon system.

PUBLICATIONS

Shanshan Pan and Xiyun Hou. Two-maneuver transfers from the Collinear libration point L_2 to the Triangular L_4 point in the Planar Earth-Moon system, *2020*, Advances in Space Research, 65:2878-2893.

Investigation of resonant periodic orbits in the restricted three-body problem, *SKTC-2020-043*. (Conference paper)

Genealogy of First-Order Resonant Periodic Families in the Circular Restricted Three-Body Problem, *2021*. (Under review)

EXPERIENCE

Seminar on planetary science and frontier of deep space exploration, Chinese astronomical society (Poster)	2018
Seminar on planetary science and frontier of deep space exploration, Chinese astronomical society (Poster)	2019
Annual meeting of the Chinese Astronomical Society	2020
Oral presentation	
The 17th Annual Academic Conference, Committee of deep space exploration technology, Chinese Society of Astronautics	2020
Oral presentation	

TECHNICAL SKILLS

Computer Languages	C, Fortran, Python
Software	Matlab, Origin
Language	Chineses (Mother Tougue), English (Fluent)