

Curriculum Vitae

Dr. Shahryar Motamedi

Personal Information

Address: Tehran, Iran

Phone Number: +989124898825

Email: shahryar.mtmd@gmail.com

GitHub: <https://github.com/shmotamedi>

Education

2015-2024 **Doctor of Philosophy in Theoretical Astrophysics**

Institute for Advanced Study of Basic Science (IASBS), Zanzan, Iran

2010-2013 **Master of Science in Space engineering**

Sharif University of Technology (SUT), Tehran, Iran

2006-2010 **Bachelor of Science in Physics**

Sharif University of Technology (SUT), Tehran, Iran

Research Experience

Research Assistant **IASBS**, Zanzan, Iran

Comparing the dynamical friction timescale in Milgromian dynamics with its Newtonian equivalent.

Advisor: Prof. Hosein Haghi

Email: haghi@iasbs.ac.ir

Research Assistant **SUT**, Tehran, Iran

Detecting chaos in the Relativistic restricted three-body problem.

Advisor: Prof. Seid H. Pourtakdoust

Email: pourtak@sharif.edu

2019 **USTC**, Hefei, China

During this visit, my team and I were particularly focused on developing methods to compare MOND and dark matter.

2014 **RCISP**, Tehran, Iran

This position involved investigation of Perturbation Techniques to design an Advanced High-Precision Orbit Propagator. By working on this project, I significantly combined my knowledge in physics and engineering.

Honors & Awards

PhD Exam Honored as the best participant in the IASBS Ph.D entrance exam.

MSc Exam Graduate full scholarship at SUT, the privilege of studying graduate degree without any exam for the best student in the nation.