

Curriculum Vitae

Dr. Shahryar Motamedi

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Online Profiles

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

ResearchGate: <https://www.researchgate.net/profile/Shahryar-Motamedi>

LinkedIn: <https://www.linkedin.com/in/shahryar-motamedi-26b169b7>

Education

Ph.D. in Theoretical Astrophysics

2015–2024

Institute for Advanced Study of Basic Sciences (IASBS), Zanjan, Iran

Advisor: Prof. Hosein Haghi (haghi@iasbs.ac.ir)

M.Sc. in Space Engineering

2010–2013

Sharif University of Technology (SUT), Tehran, Iran

Advisor: Prof. Seid H. Pourtakdoust (pourtak@sharif.edu)

B.Sc. in Physics

2006–2010

Sharif University of Technology (SUT), Tehran, Iran

Research Experience

Research Assistant

IASBS, Zanjan, Iran

Studied and compared dynamical friction time-scales in Milgromian versus equivalent Newtonian dynamics.

Research Assistant

SUT, Tehran, Iran

Investigated chaos in the relativistic restricted three-body problem.

Visiting Researcher

University of Science and Technology of China (USTC), Hefei, China, 2019

Developed methods for comparing Modified Newtonian Dynamics (MOND) with dark matter models.

Researcher

RCISP, Tehran, Iran, 2014

Designed an advanced high-precision orbit propagator using perturbation techniques, integrating physics and engineering approaches.

Honors & Awards

Ph.D. Entrance Exam: Ranked first in the IASBS Ph.D. entrance examination.

M.Sc. Entrance: Awarded a full graduate scholarship at SUT, with direct admission to graduate studies without examination for top-ranked national students.