

Maryam Hami

mhami@poets.whittier.edu

AstroMundus Astrophysics Masters Course – University of Innsbruck

1st year grad school

Research interests: Space Exploration, Exoplanets, Planetary Formation, Inter and Extragalactic astronomy, Habitable Zones, Anthropic Principle in Cosmology, Astrobiology

My particular scientific interests include studying planetary and solar system formation, exoplanets and the habitable zone in solar systems, and whether or not our solar system is unusual in its formation with a planet of Earth's size and land-to-sea ratio in the habitable zone. I am also fascinated by space exploration and the potential for technological advances in this field.

Additionally, I enjoy exploring probabilities of habitable planets yielding intelligent life, and the idea that such probabilities and Bayesian statistics have an apparent observational selection effect. For my undergraduate senior thesis, I explored the implications of the Anthropic Cosmological Principle and observational selection effects in determining the probability of life existing elsewhere in the universe.

Scientists I'd like to meet:

Avi Loeb, Pete Worden, Elon Musk, John Barrow, Nick Bostrom, Leonard Susskind, Duane L. Ross, and many more!