

CURRICULUM VITAE

Roberto Alexander Tejada Arevalo

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Education:

- Ph.D. in Astrophysical Sciences, Princeton University (Expected 2026)
- B.S. Physics, California State University, Los Angeles (2020)
- A.A., Los Angeles City College (2017)

Selected Publications:

Tejada Arevalo, R. *Different Inhomogeneous Evolutionary Histories for Uranus and Neptune.* 2025. Submitted to ApJL.

Sur, A., **Tejada Arevalo, R.**, Su, Y., Burrows, A. *Simultaneous Evolutionary Fits for Jupiter and Saturn Incorporating Fuzzy Cores.* 2025, ApJL, 980, L5

Tejada Arevalo, R., Sur, A., Su, Y., Burrows, A. *Jupiter Evolutionary Models Incorporating Stably Stratified Regions.* 2025 ApJ, 979, 243

Tejada Arevalo, R., Sur, A., Su, Y., Burrows, A. *Equations of State, Thermodynamics, and Miscibility Curves for Jovian Planet and Giant Exoplanet Evolutionary Models.* 2024 ApJS, 274, 34

Chen, Y., Burrows, A., Sur, A., **Tejada Arevalo, R.** *Jupiter Atmospheric Models and Outer Boundary Conditions for Giant Planet Evolutionary Calculations.* 2023, ApJ, 957, 36

Tejada Arevalo, R., Tamayo, D., Cranmer, M. *Do Young Planets Form in Mean Motion Resonance Chains?* 2022, ApJL, 932, L2

Tejada Arevalo, R., Winn, J., Anderson, K. *Further Evidence of Tidal Spin-up For Hot Jupiter Host Stars.* 2021, ApJ, 919, 2.

Awards:

- May 2024: Princeton Astrophysical Sciences Dept. Mentorship/Diversity Award
- March 2022: Ford Foundation Predoctoral Fellowship

Selected Conferences:

- June 2025: AAS 246 (Dissertation Talk)
- May 2025: NY Area Exoplanet Meetup (Talk)
- June 2024: Cool Stars 22 (Poster)
- June 2024: Conference of Ford Fellows (Poster)
- January 2024: 243rd AAS Conference (Poster)
- May 2022: Exoplanets IV Conference (Poster)
- April 2022: Division of Dynamical Astronomy 53rd Conference (Talk)

