Armen Tokadjian

CONTACT

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RESEARCH INTERESTS

Tidal dynamics and evolution of exomoons around exoplanets
Detecting the first exomoon
Exoplanet atmospheres and habitability

EDUCATION

Ph.D, Physics 2023

University of Southern California

M.S., Computer Science - Data Science 2023

University of Southern California

B.S., Physics 2018

University of California, Los Angeles

HONORS AND AWARDS

USC-Carnegie Fellowship, 2018

PRESENTATIONS

Contributed Talk: AAS 240, Pasadena, CA (June 2022)
Poster: TESS Science Conference II, Virtual (August 2021)
Poster: Habitable Worlds, Virtual (June 2021)
Poster: NExScI, Virtual (October 2020)
Contributed Talk: ExSoCal, Virtual (September 2020)

TEACHING EXPERIENCE

Teaching Assistant University of Southern California, Physics 151L: Mechanics Laboratory

MEDIA

Universe Today Highlight, T*idal Heating Could Make Exomoons Much More Habitable (and Detectable),* June 2022

PUBLICATIONS

A. Tokadjian & A.L. Piro, *Tidal Heating of Exomoons in Resonance and Implications for Detection,* 2022, submitted for publication in AJ (arXiv:2206.11368)
A. Tokadjian & A.L. Piro, *Probing Planets with Exomoons: The Cases of Kepler-1708 b and Kepler-1625 b*, 2022, ApJL, 929, L2
A. Tokadjian & A.L. Piro, *Impact of Tides on the Potential for Exoplanets to Host Exomoons*, 2020, AJ, 160, 194.