

Felipe I. Figueroa-Tapia

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Education

Universidad de Valparaíso <i>Bachelor in Physics with specialization in Astronomy</i>	Valparaíso, CL 2018 - Currently
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Teaching Experience

First Semester, Assistant Professor in Computational Physics <i>BSc. in Physics course</i>	2020
First Semester, Assistant Professor in Electromagnetism <i>BSc. in Physics course</i>	2020
Second Semester, Assistant Professor in Mechanics I <i>BSc. in Physics course</i>	2021
Second Semester, Assistant Professor in Modern Physics Laboratory <i>BSc. in Physics course</i>	2021

Research Experience

Winds from Massive Stars <i>Research Assistant, lead by Prof. Dr. Michel Curé</i> Also member of the Massive Stars Group of the Universidad de Valparaíso	Valparaíso, CL December, 2019 – Currently
Decretion disks and Outflows around Fast-Spinning Stars <i>Research Assistant, lead by Prof. Dr. Catalina Arcos and Prof. Dr. Michel Curé</i> Colaboration between FAPESP (Brazil) and CONICYT (Chile).	Valparaíso, CL April, 2020 – Currently
Quiescence State of Cataclysmic Variables <i>Research Assistant, lead by Prof. Dr. Nikolaus Vogt</i>	Valparaíso, CL August, 2020 – December, 2021

Publications

1. **New self-consistent wind parameters to fit optical spectra of O-type stars observed with the HERMES spectrograph**
A&A Volume 661, A51, May 2022
A. C. Gormaz-Matamala, M. Curé, A. Lobel, J. A. Panei, J. Cuadra, I. Araya, C. Arcos and **F. Figueroa-Tapia**
<https://ui.adsabs.harvard.edu/abs/2022A%26A...661A..51G/abstract>

Conferences/Schools

IV Jornadas de Astrofísica Estelar <i>Poster: Disk time evolution of the Be Star HD45725</i>	San Miguel de Tucumán, AR 22–24 June, 2022
XVII Annual Meeting of the Chilean Astronomical Society (SOCHIAS) <i>Poster: Determination of Disk Parameters of the Be Star HD45725</i>	Online, CL 17–21 January, 2022
I Annual Meeting of the Massive Stars Group (IFA UV) <i>Talk: Obtención de Parámetros de Línea Autoconsistentes</i>	Valparaíso, CL 7 January, 2022
XVI Annual Meeting of the Chilean Astronomical Society (SOCHIAS) <i>Poster: Obtaining stellar parameters using a self-consistent m-CAK procedure</i>	Online, CL 9–11 December, 2020
V Workshop Anual del Instituto de Física y Astronomía (IFA UV) <i>Poster: Recuperando la Tabla de Abbott</i>	Online, CL 1–2 November, 2020
2021 La Serena School of Data Science (LSSDS) <i>Accepted with full scholarship gave by AURA Observatory to attend LSSDS</i>	Online, CL 2–13 August, 2021

Programming Skills

- **Programming Languages:** Python, Wolfram Mathematica
- **Astrophysical Softwares:** IRAF, Ds9, AKD27, Hydwind, Fastwind, HDUST, Tlusty

Languages

Spanish: Native

English: Fluent

Outreach Activities

Scientific Divulcation, Total Solar Eclipse 2019
Activity Assistant, lead by Prof. Dr. Catalina Arcos

Cachiyuyo, CL
2019