

# Felipe Figueroa-Tapia

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## Education

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

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

## Research Experience

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

## Conferences/Schools

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

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

**Cachiyuyo, CL**  
2019