

# Paul Steimle

## Curriculum Vitae

pasteimle@mpia.de  
paulsteimle.github.io

### Employment

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Research Assistant – MPIA, Heidelberg, Germany	Dec. 2025 – May 2026
Publishing research from Master's Thesis in refereed journals	

### Education

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M.Sc. Physics – Heidelberg University, Germany	est. Nov. 2025
Specification in Astronomy and Astrophysics	
Current Final Grade: 1.2	
Year Abroad – University of New Mexico, Albuquerque, USA	2023 – 2024
B.Sc. Physics – Heidelberg University, Germany	2023
Specification in Astronomy and Astrophysics	
Final Grade: 1.7	
Abitur – Heimschule Lender, Sasbach, Germany	2018
Final Grade: 1.8	

### Teaching

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Tutor for key competencies during studies	2021 – 2025
Tutor for the beginners' physics lab	2021 – 2022

### Conferences and Workshops

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Summer School on Planetary Atmospheres – Bad Honnef (DPG)	2025
ESO La Silla Observing School	2026

### Research

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Master Thesis – Dr. Elisabeth Matthews & Prof. Dr. Laura Kreidberg	2024 – 2025
The Hunt for Giant Exoplanets with Ground- and Space-Based Telescopes.	
Project Practical – Assist. Prof. Diana Dragomir	2023 – 2024
Adaptions and Development on a Single Transit Event search pipeline for TESS	
Project Practical – Priv. Doz. Dr. Sabine Reffert	2023
Modifications and User Manual for the Radial Velocity Data Reduction Pipeline of the Waltz Spectrograph	
Bachelor Thesis – Priv. Doz. Dr. Sabine Reffert	2022 – 2023
Re-computation of Precise Radial Velocities of G and K Giant Stars from the Lick Survey with <code>pyodine</code>	
Project Practical – Priv. Doz. Dr. Sabine Reffert	2022
Adaptation of a data reduction pipeline for precise radial velocities on the Waltz spectrograph	

## Engagement

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Buddy program for first-semester students

2022 – 2023

## Publications

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**Paul V. Steimle**, Elisabeth C. Matthews, et al.

2026 (in prep.)

ISPY - NaCo Imaging Survey for Planets around Young stars. SPHERE follow-up observations reveal scattered-light disks, stellar binaries, and candidate exoplanets.

Elisabeth C. Matthews, **Paul V. Steimle**, et al.

2026 (in prep.)

JWST/NIRCam observations and archival data rule out planets to sub-Jupiter masses in the eccentric HD 53143 debris disk.

## Relevant Expertise

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### Languages

German: native speaker

English: C1 (TOEFL iBT 108)

Spanish: A2 (ZSL Heidelberg)

### Tools and Programming

Python – advanced (numpy, scipy, astropy, emcee, matplotlib etc.)

Git – advanced

L<sup>A</sup>T<sub>E</sub>X – advanced

Java – basic

Proficient in Linux, macOS, Windows