

# Mor Rozner - Curriculum Vitae

email: morozner@ias.edu or morozner@ast.cam.ac.uk |

Website: <https://morozner.wixsite.com/mysite>

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Citations: [NASA ADS](#), [ORCID](#)

POSITIONS	Combined two postdoc prize fellowships (2024/5-): <ul style="list-style-type: none"><li>• <b>Member, Institute for Advanced Study (IAS), Princeton, USA &amp;</b></li><li>• <b>Junior research fellow (JRF), Gonville &amp; Caius College, Cambridge, UK</b></li></ul>
EDUCATION	<b>PhD, Physics, Technion - Israel Institute of Technology</b> , Haifa, Israel 2019/20 - 2024  <b>MSc, Physics, Technion - Israel Institute of Technology</b> , Haifa, Israel 2017/18-2019  <b>BSc, Physics and Mathematics</b> 2017 <b>Technion - Israel Institute of Technology</b> , Haifa, Israel Magna cum laude Physics department honors program From High School to the Technion Program <sup>1</sup>
PRIZES, GRANTS & FELLOWSHIPS	<ul style="list-style-type: none"><li>• <b>West hub small grant for conference organization</b>, co-PI Barry Ginat 2025</li><li>• <b>Israel Physics Society (IPS) Prize – Yoel Rakah Prize for theory students</b> 2024</li><li>• <b>Rothschild fellowship</b> 2024/5</li><li>• <b>Duncombe student research prize (DDA AAS 2022)</b> 2022</li><li>• <b>Azrieli national prize fellowship</b> 2021/2-2024</li><li>• <b>BSc graduation, Magna cum laude (Technion)</b> 2017</li><li>• <b>Young Weizmann scholars</b> (Weizmann Institute of science) 2016,2017</li><li>• <b>Physics department honors program scholarship (Technion)</b> 2015-2017</li><li>• <b>Dean list (Technion)</b> 2015,2017</li></ul>
ACADEMIC SERVICE & OUTREACH	<ul style="list-style-type: none"><li>• <b>Reviewer</b> for APJL, APJ, MNRAS, Icarus, Physical Review D, E, Letters 2026</li><li>• <b>DDA AAS 57 (planned), SOC member</b> 2025/6</li><li>• <b>Astrophysics seminars committee, IAS</b> 2025</li><li>• <b>Co-organizer and co-founder of dynamics lunch meetings, Cambridge</b> June 2025</li><li>• <b>Co-organizer and co-founder of DYNAMIX, Cambridge</b> 2024/5</li><li>• <b>IoA astrophysics colloquium committee, Cambridge</b> 2024/5</li><li>• <b>ExoCam – exoplanet seminar organizing committee, Cambridge</b> 2024/5</li><li>• <b>Member of the Regent House, University of Cambridge</b> 2024/5</li><li>• <b>Co-organizer of AsCoS IV– Astrophysics &amp; cosmology students conference</b> August 2024</li><li>• <b>Chair in DDA AAS 55</b> April 2024</li><li>• <b>Physics colloquium committee at the Technion</b> 2023/4</li><li>• <b>Co-organizer of AsCoS III– Astrophysics &amp; cosmology students conference</b> August 2023</li><li>• <b>Chair in DDA AAS 53</b> April 2022</li><li>• <b>Member in the fellows to fellows Azrieli committee</b> 2022-2024</li><li>• <b>DPS AAS 53 discussion moderator</b> October 2021</li><li>• <b>AAS 238 Chambliss Judge</b> June 2021</li><li>• <b>Chair of iposter session at AAS 238</b> June 2021</li><li>• <b>GOC (Global Organization Committee) at Exoplanets III, Heidelberg, Germany</b> July 2020</li></ul>

<sup>1</sup>Admitted through the Technion Early-Admission Program, an entry scheme allowing university studies prior to standard high-school completion.

- **Founder and organizer** of *graduate students weekly seminar*, Technion summer 2019 , spring 2023

TEACHING EXPERIENCE	<ul style="list-style-type: none"> <li>• Teaching Assistant - Electromagnetism &amp; Electrodynamics, Advanced undergraduate course spring 2021,2022</li> <li>• Teaching Assistant/coordinator - Physics department honors program 2023/4</li> <li>• Teaching Assistant - scientific discoveries spring 2023/4</li> </ul>
SUPERVISION	<ul style="list-style-type: none"> <li>• <b>Jamie Erak</b>, summer student, IoA, Cambridge 2025 Now is about to begin graduate studies in Oxford</li> <li>• <b>Wenkang Xin</b>, David and Bridget Jacobs Internship Programme, IoA, Cambridge 2025</li> <li>• <b>Archie McNamara</b>, part III student (master's level program) in Cambridge, <b>Supervisor: Mor Rozner</b>, UTO: Oliver Shorttle, 2024/5</li> </ul>
PROFESSIONAL ACADEMIC DEVELOPMENT	<ul style="list-style-type: none"> <li>• 2020 Planet Formation Program: From Dust Coagulation to the Final Orbital Assembly (virtual part due to COVID19) June 2020</li> <li>• (Canceled due to COVID19) Other Worlds Laboratory summer program 2020 – Santa Cruz</li> </ul>
TALKS	<ul style="list-style-type: none"> <li>• Astrophysics seminar, university of Bristol (invited) December 2025</li> <li>• UCLA Astronomy Colloquium (invited) November 2025</li> <li>• Multiplicity in young stars, Copenhagen August 2025</li> <li>• Astro seminar, University of Exeter June 2025</li> <li>• SPIMAX seminar, university of Oxford June 2025</li> <li>• Astrophysics seminar, Bath May 2025</li> <li>• MCR-SCR talk, Gonville &amp; Caius, Cambridge May 2025</li> <li>• IAS Astrophysics seminar, IAS, Princeton May 2025</li> <li>• Astrolunch seminar , Hebrew University of Jerusalem April 2025</li> <li>• Astrobiology and Planetary Exploration (APEX) seminar, UCL March 2025</li> <li>• Caius Science network, Cambridge March 2025</li> <li>• IAS astrophysical waves conference, IAS, Princeton January 2025</li> <li>• Astronomy seminar, Warwick (invited) November 2024</li> <li>• Dynamics group meeting, Oxford November 2024</li> <li>• IoA seminar, Cambridge October 2024</li> <li>• New ideas on the origins of BH mergers, Niels Bohr Institute, Copenhagen August 2024</li> <li>• Astrophysics seminar, Weizmann Institute July 2024</li> <li>• Astrophysics seminar (invited), Ben Gurion University, Israel June 2024</li> <li>• Physics faculty retreat, Technion May 2024</li> <li>• DDA AAS 55 (contributed talk), University of Toronto May 2024</li> <li>• PhD final seminar, Technion April 2024</li> <li>• DAMTP astrophysics seminar, Cambridge February 2024</li> <li>• SPIMAX seminar, university of Oxford February 2024</li> <li>• Astronomy &amp; astrophysics seminar, Tel Aviv university February 2024</li> <li>• Thunch seminar, Princeton October 2023</li> <li>• IAS coffee, Princeton October 2023</li> <li>• CCA planet group meeting seminar October 2023</li> <li>• Columbia department astrophysics seminar October 2023</li> </ul>

• TAPIR seminar, Caltech	October 2023
• TAC seminar, Berkeley	October 2023
• Two in a million (virtual contributed talk), Garching, Germany	September 2023
• Amaldi conference (virtual contributed talk)	July 2023
• Massive Triples, Binaries and Mergers 2023, Leuven, Belgium (contributed talk)	July 2023
• European Astronomical Society (virtual contributed talk)	July 2023
• NAM 2023, Cardiff (contributed talk)	July 2023
• ARCO seminar, the open university, Israel (invited talk)	May 2023
• DDA AAS 54 (virtual contributed talk)	May 2023
• Israel Physical Society (IPS) conference (contributed talk)	April 2023
• Gravity group meeting, Niels Bohr institute Copenhagen (invited)	December 2022
• TAC seminar, Berkeley	September 2022
• COMPAS meeting, Monash university, Australia (invited)	August 2022
• Astro seminar, Monash university, Australia (invited)	August 2022
• Black hole workshop, Niels Bohr institute, Copenhagen (invited)	May 2022
• Science happy hour, Northwestern (virtual)	May 2022
• CCA planet group meeting (virtual)	April 2022
• DDA AAS 53, CCA	April 2022
• TAPIR seminar, Caltech (invited)	April 2022
• CIPS seminar, Berkeley (invited)	April 2022
• Planetary lunch seminar, Santa Cruz university (invited)	April 2022
• MIT Kavli lunch talk (virtual)	April 2022
• Thunch seminar, Princeton (virtual)	April 2022
• CCA Astro data community meeting (virtual)	March 2022
• Aspen winter conference 2022, virtual talk (contributed talk)	January 2022
• Origins seminar, university of Arizona (virtual contributed talk)	October 2021
• DPS AAS 53, virtual (contributed talk)	October 2021
• Stellar dynamics and evolution group meeting, Lund university (virtual invited talk)	June 2021
• High energy seminar, Hebrew University (invited talk)	June 2021
• AAS 238, virtual (contributed talk)	June 2021
• Astronomy Colloquium, university of Maryland, postponed (invited talk)	June 2021
• DDA AAS 52, virtual (contributed talk)	May 2021
• Israel Physical Society (IPS) conference, virtual (contributed talk)	February 2021
• DDA AAS 51, virtual (contributed talk)	August 2020
• Israel Physical Society (IPS) conference, Weizmann Institute, Israel (contributed talk)	February 2020
• Rocky Worlds: from the Solar System to Exoplanets, Kavli Institute for Cosmology, Cambridge, UK (contributed talk)	January 2020
• MSc graduation seminar, Technion, Israel	April 2019

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## Publications:

### PUBLISHED

17. Su, Rowan & **Rozner**, Gas meets Kozai: the influence of a gas-rich accretion disc on hierarchical triples undergoing von Zeipel-Lidov-Kozai oscillations, *MNRAS*, 543, 2 (2025)
16. Zenati, Yossef ; Wang, Qinan ; Bobrick, Alexey ; DeMarchi, Lindsay ; Glanz, Hila ; **Rozner, Mor** et al, *Evidence for Extended Hydrogen-Poor CSM in the Three-Peaked Light Curve of Stripped Envelope Ib Supernova*, *APJ*, 992, 1 (2025)

15. **Rozner** & Ramirez-Ruiz, Stellar distributions around supermassive black holes in gas-rich nuclear star clusters, *APJL*, 988, 1 (2025)
14. **Rozner M.**, Trani A., Samsing J., Perets H.B., The formation of mini-AGN disks around IMBHs and their dynamical implications, *MNRAS*, 537, 2 (2025)
13. Zenati Y., **Rozner M.**, Krolik J.H., Most E.R., Mass transfer in eccentric black hole – neutron star mergers, *APJ*, 978, 2 (2025)
12. **Rozner M.** & Perets H. B., Soft no more: gas shielding protects soft binaries from disruption in gas-rich environments, *APJ*, 968, 2 (2024)
11. **Rozner M.** & Perets H. B. , *Born to be wide: the distribution of wide binaries in the field and soft binaries in clusters*, *APJ*, 955, 2 (2023)
10. **Rozner, M.**, Generozov A. & Perets H.B., *Binary formation through gas-assisted capture and the implications for stellar, planetary and compact-object evolution*, *MNRAS*, 521,1 (2023)
9. **Rozner, M.** & Perets H.B., *Binary evolution, gravitational-wave mergers and explosive transients in multiple-populations gas-enriched globular-clusters*, *APJ*, 931,2 (2022)
8. **Rozner, M.**, Glanz H. , Perets, H. B. and Grishin, E., *Inflated Eccentric Migration of Evolving Gas-Giants I: Accelerated Formation and Destruction of Hot and Warm Jupiters*, *APJ*, 931, 1 (2022)
7. Glanz H., **Rozner, M.** , Perets, H. B. and Grishin, E., *Inflated Eccentric Migration of evolving gas giants II: Numerical methodology and basic concepts*, *APJ*, 931, 1 (2022)
6. **Rozner, M.**, Veras, D. & Perets, H. B., Rapid destruction of planetary debris around WDs through wind erosion, *MNRAS*, 502, 4 (2021)
5. **Rozner, M.**, Grishin, E., Perets, H. B., *The Wide-Binary Origin of The Pluto-Charon System*, *MNRAS*, 497, 4 (2020)
4. Grishin, E., **Rozner, M.** , Perets, H. B., *Erosion-driven Size Redistribution of Protoplanetary Disk Solids and the Onset of Streaming Instability and Pebble Accretion*, *APJL*, 898,1 (2020)
3. **Rozner, M.**, Grishin, E., Perets, H. B., *The aeolian-erosion barrier for the growth of metre-size objects in protoplanetary discs*, *MNRAS*, 496, 4 (2020)
2. **Rozner, M.**, Grishin, E., Ginat, Y. B., Igoshev, A. P., Desjacques, V., *Axion resonances in binary pulsar systems*, *JCAP*, Issue 03 (2020)
1. **Rozner, M.**, Desjacques, V., *Backreaction of axion coherent oscillations*, *Physical Review D*, Volume 98, Issue 2 (2018)

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## Voluntary & Outreach

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| • STEMPOINT – supervised a Year 12 student on a research project   | summer 2025 |
| • Cambridge Science Festival, popular public lecture   | March 2025  |
| • Short interview for the international women day, IoA, Cambridge  | March 2025  |
| • Volunteer in 'memory in the living room' (Zikaron BaSalon)<br>a social initiative to preserve Holocaust memory and honor and support Holocaust survivors | 2021-2024   |