

# Mor Rozner - CV

2025-07-17

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Citations: [Google scholar](#), [NASA ADS](#)

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GENERAL INFO    Date of Birth: 02/10/1996

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EDUCATION	<b>Technion - Israel Institute of Technology</b> , Haifa, Israel	
	<b>PhD, Physics.</b>	2019/20 - 2024
	<b>Technion - Israel Institute of Technology</b> , Haifa, Israel	
	<b>MSc, Physics</b>	2017-2019
	<b>Technion - Israel Institute of Technology</b> , Haifa, Israel	
	<b>BSc, Physics and Mathematics</b>	2017
	Magna cum laude	
	Physics department honors program	
	"From High-school to The Technion" program (MeTichon LaTechnion)	

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PRIZES, GRANTS & FELLOWSHIPS	• Combined two postdoc prize fellowships (2024/5-):	
	<b>Institute for Advanced Study member &amp;</b>	
	<b>Junior research fellow in Gonville &amp; Caius College in Cambridge</b>	
	• <b>West hub small grant for conference organization</b> , together with Barry Ginat	2025
	• <b>Israel Physics Society (IPS) Prize – Yoel Rakah Prize for theory students</b>	2024
	• <b>Rothschild fellowship</b>	2024
	• <b>Duncombe student research prize (DDA AAS 2022)</b>	2022
	• <b>Azrieli national prize fellowship</b>	2021/2-2024
	• <b>Technion's Graduate Student Scholarship</b> (Technion)	2020-2024
	• <b>PhD tuition scholarship for compulsory soldiers</b> (Technion)	2020
	• <b>MSc tuition scholarship for compulsory soldiers</b> (Technion)	2017-2019
	• <b>Young Weizmann scholars</b> (Weizmann Institute of science)	2016,2017
	• <b>BSc graduation, Magna cum laude</b> (Technion)	2017
	• <b>Physics department honors program scholarship</b> (Technion)	2015-2017
	• <b>Dean list</b> (Technion)	2015,2017

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ACADEMIC SERVICE & OUTREACH	• <b>Reviewer</b> for APJL, APJ, MNRAS, Icarus, Physical Review E	
	• <b>Co-organizer and co-founder of dynamics lunch meetings, Cambridge</b>	2025
	• <b>Co-organizer and co-founder of DYNAMIX, Cambridge</b>	June 2025
	• <b>IoA astrophysics colloquium committee, Cambridge</b>	2024/5
	• <b>ExoCam – exoplanet seminar organizing committee, Cambridge</b>	2024/5
	• Member of the Regent House, University of Cambridge	2024/5
	• <b>Co-organizer of AsCoS IV– Astrophysics &amp; cosmology students conference</b>	August 2024
	• <b>Chair in DDA AAS 55</b>	April 2024
	• <b>Physics colloquium committee at the Technion</b>	2023/4
	• <b>Co-organizer of AsCoS III– Astrophysics &amp; cosmology students conference</b>	August 2023
	• <b>Chair in DDA AAS 53</b>	April 2022
	• Member in the fellows to fellows Azrieli committee	2022-2024
	• <b>DPS AAS 53 discussion moderator</b>	October 2021
	• <b>AAS 238 Chambliss Judge</b>	June 2021
	• <b>Chair of iposter session at AAS 238</b>	June 2021
	• <b>GOC (Global Organization Comittee)</b> at <i>Exoplanets III</i> , Heidelbrg, Germany	July 2020

- **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</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>• 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 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>• Prof. Bence Kocsis's group meeting February 2024</li> <li>• Astronomy &amp; astrophysics seminar, Tel Aviv university February 2024</li> <li>• Thunch seminar, Princeton October 2023</li> <li>• Prof. Joshua Winn's group meeting 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> <li>• TAPIR seminar, Caltech October 2023</li> <li>• TAC seminar, Berkeley October 2023</li> </ul>

• 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
• Prof. Enrico Ramirez Ruiz's group meeting	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
• Prof. Ilya Mandel's group meeting (virtual invited 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:

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### UNDER REVIEW

1. Su, Rowan & **Rozner**, Gas meets Kozai: the influence of a gas-rich accretion disc on hierarchical triples undergoing von Zeipel-Lidov-Kozai oscillations, under review in MNRAS

## PUBLISHED

1. **Rozner** & Ramirez-Ruiz, Stellar distributions around supermassive black holes in gas-rich nuclear star clusters, *APJL*, 988, 1 (2025)
2. **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)
3. Zenati Y., **Rozner M.**, Krolik J.H., Most E.R., Mass transfer in eccentric black hole – neutron star mergers, *APJ*, 978, 2 (2025)
4. **Rozner M.** & Perets H. B., Soft no more: gas shielding protects soft binaries from disruption in gas-rich environments, *APJ*, 968, 2 (2024)
5. **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)
6. **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)
7. **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)
9. 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)
10. **Rozner, M.**, Veras, D. & Perets, H. B., Rapid destruction of planetary debris around WDs through wind erosion, *MNRAS*, 502, 4 (2021)
11. **Rozner, M.**, Grishin, E., Perets, H. B., *The Wide-Binary Origin of The Pluto-Charon System*, *MNRAS*, 497, 4 (2020)
12. 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)
13. **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)
14. **Rozner, M.**, Grishin, E., Ginat, Y. B., Igoshev, A. P., Desjacques, V., *Axion resonances in binary pulsar systems*, *JCAP*, Issue 03 (2020)
15. **Rozner, M.**, Desjacques, V., *Backreaction of axion coherent oscillations*, *Physical Review D*, Volume 98, Issue 2 (2018)

## OTHERS

1. **Rozner Mor**, *Radial drift in warped protoplanetary disks*, under review in *APJ*
2. Zenati, Yossef ; Wang, Qinan ; Bobrick, Alexey ; DeMarchi, Lindsay ; Glanz, Hila ; **Rozner, Mor** ; Rest, Armin ; Metzger, Brian D. ; Margutti, Raffaella ; Gomez, Sebastian ; Smith, Nathan ; Toonen, Silvia ; Bright, Joe S. ; Norman, Colin ; Foley, Ryan J. ; Gagliano, Alexander ; Krolik, Julian H. ; Smartt, Stephen J. ; Villar, Ashley V. ; Narayan, Gautham ; Fox, Ori ; Auchettl, Katie ; Brethauer, Daniel ; Clocchiatti, Alejandro ; Coelln, Sophie V. ; Coppejans, Deanne L. ; Dimitriadis, Georgios ;

Doroszmai, Andris ; Drout, Maria ; Jacobson-Galan, Wynn ; Gao, Bore ;  
Ridden-Harper, Ryan ; Kilpatrick, Charles Donald ; Laskar, Tanmoy ; Matthews, David  
; Rest, Sofia ; Smith, Ken W. ; McKenzie Stauffer, Candice ; Stroh, Michael C. ;  
Strolger, Louis-Gregory ; Terreran, Giacomo ; Pierel, Justin D. R. ; Piro, Anthony L.,  
*Evidence for Extended Hydrogen-Poor CSM in the Three-Peaked Light Curve of  
Stripped Envelope Ib Supernova*, under review in APJ

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## Voluntary & Outreach

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- Cambridge Science Festival, popular public lecture March 2025
- Short interview for the international women day, IoA, Cambridge March 2025
- Volunteer in 'memory in the salon' (Zikaron BaSalon)  
a social initiative to preserve the holocaust memory 2021-2024

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## PROFESSIONAL

EXPERIENCE	Academic officer, Aerodynamics research, MAFAT, Israeli Ministry of Defense	2017-2020
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