

APPOINTMENTS

- 2022 – Senior Lecturer, Racah Institute of Physics, Hebrew University of Jerusalem
- 2021 – 2022 51 Pegasi b Postdoctoral Fellow, Theoretical Astrophysics, Caltech
- 2018 – 2021 51 Pegasi b Postdoctoral Fellow, Astronomy Department, UC Berkeley

EDUCATION

- 2015 – 2018 Ph.D. in Physics, The Hebrew University of Jerusalem. Advisor: Re'em Sari
Exo-planet Formation and Evolution: The Role of Cooling
- 2009 – 2013 M.Sc. (Magna Cum Laude) in Physics, The Hebrew University of Jerusalem
Advisor: Shmuel Balberg. *Superluminous Supernovae*
- 2005 – 2008 B.Sc. (Magna Cum Laude) in Mathematics and Physics
The Hebrew University of Jerusalem, Talpiot Program

SELECTED AWARDS & GRANTS

- 2025 Research grant, The German – Israeli Foundation (GIF)
- 2024 Personal research and equipment grants, Israel Science Foundation (ISF)
- 2023 Start-up grant, US – Israel Binational Science Foundation (BSF)
- 2022 Space research grant, Ministry of Innovation, Science and Technology
- 2018 51 Pegasi b fellowship, The Heising-Simons Foundation
- 2017 Arnold Rosenblum prize, Hebrew University
- 2016 Prof. Rahamimoff travel grant, BSF Foundation
- 2015 Aharon and Ephraim Katzir study grant, Batsheva de Rothschild Fund
- 2006 Rector's award, Hebrew University
- 2005 Bronze medal, International Physics Olympiad, Spain

MENTORING

- 2024 – Rom Yaakovyan, M.Sc. student at the Hebrew University
- 2024 – Hagai Bareli, M.Sc. student at the Hebrew University
- 2023 – Daniel Blatman, Ph.D. student at the Hebrew University

TEACHING

- 2023 – Lecturer, *Mechanics & Special Relativity / Astrophysics & Cosmology*
- 2008, 2016 – 2018 Teaching Assistant, *Thermal Physics / Electricity & Magnetism*

PUBLICATIONS (students in the group, including undergraduates, are underlined)

1. Daniel Blatman, Nicholas Rui, **Sivan Ginzburg** & Jim Fuller, 2025, MNRAS, 542, 2345 – 2353. *Seismology and diffusion of ultramassive white dwarf magnetic fields*
2. Rom Yaakovyan, **Sivan Ginzburg**, Jim Fuller & Nicholas Rui, 2025, MNRAS, 541, 764 – 770. *Magnetic dynamos powered by white dwarf superficial convection*
3. Yair Cohen, **Sivan Ginzburg**, Maya Levy, Tal Bar Shalom & Yoav Siman Tov, 2024, MNRAS, 534, 455 – 464. *White dwarf eccentricity fluctuation and dissipation by AGB convection*
4. **Sivan Ginzburg**, 2024, MNRAS Letters, 534, L65 – L70. *Younger age for the oldest magnetic white dwarfs*
5. Daniel Blatman & **Sivan Ginzburg**, 2024, MNRAS Letters, 533, L13 – L18. *Magnetic field breakout in ultramassive crystallizing white dwarfs*
6. Arnab Sarkar, Antonio Rodriguez, **Sivan Ginzburg**, Lev Yungelson & Christopher Tout, 2024, A&A Letters, 686, L19. *Magnetic braking below the cataclysmic variable period gap and the observed dearth of period bouncers*
7. Daniel Blatman & **Sivan Ginzburg**, 2024, MNRAS, 528, 3153 – 3162. *Magnetic field breakout from white dwarf crystallization dynamos*
8. Jordan Conrad-Burton, Alon Shabi & **Sivan Ginzburg**, 2023, MNRAS, 525, 2708 – 2715. *Convective dynamos of black widow companions*
9. **Sivan Ginzburg**, Jim Fuller, Adela Kawka & Ilaria Caiazzo, 2022, MNRAS, 514, 4111 – 4119. *Slow convection and fast rotation in crystallization-driven white dwarf dynamos*
10. Adina Feinstein et al., 2022, AJ, 164, 110. *AU Microscopii in the Far-UV: Observations in Quiescence, During Flares, and Implications for AU Mic b and c*
11. **Sivan Ginzburg** & Eugene Chiang, 2022, MNRAS Letters, 509, L1 – L5. *Eccentric millisecond pulsars by resonant convection*
12. **Sivan Ginzburg** & Eliot Quataert, 2021, MNRAS, 507, 475 – 483. *Novae heat their food: mass transfer by irradiation*
13. Jason Wang et al., 2021, AJ, 161, 148. *Constraining the Nature of the PDS 70 Protoplanets with VLTI/GRAVITY*
14. **Sivan Ginzburg** & Eliot Quataert, 2021, MNRAS, 500, 1592 – 1603. *Black widow formation by pulsar irradiation and sustained magnetic braking*
15. Marta Bryan, **Sivan Ginzburg**, Eugene Chiang et al., 2020, ApJ, 905, 37. *As the Worlds Turn: Constraining Spin Evolution in the Planetary-Mass Regime*
16. Mickey Rosenthal, Eugene Chiang, **Sivan Ginzburg** & Ruth Murray-Clay, 2020, MNRAS, 498, 2054 – 2067. *How consumption and repulsion set planetary gap depths and the final masses of gas giants*
17. **Sivan Ginzburg** & Eugene Chiang, 2020, MNRAS, 498, 680 – 688. *Heavy-metal Jupiters by major mergers: metallicity vs. mass for giant planets*

18. **Sivan Ginzburg** & Eliot Quataert, 2020, MNRAS, 495, 3656 – 3665.
Black widow evolution: magnetic braking by an ablated wind
19. Jason Wang, **Sivan Ginzburg** et al., 2020, AJ, 159, 263.
Keck/NIRC2 L'-Band Imaging of Jovian-Mass Accreting Protoplanets around PDS 70
20. Thaddeus Komacek, Daniel Thorngren, Eric Lopez & **Sivan Ginzburg**, 2020, ApJ, 893, 36.
Reinflation of Warm and Hot Jupiters
21. **Sivan Ginzburg** & Eugene Chiang, 2020, MNRAS Letters, 491, L34 – L39.
Breaking the centrifugal barrier to giant planet contraction by magnetic disc braking
22. **Sivan Ginzburg** & Eugene Chiang, 2019, MNRAS, 490, 4334 – 4343.
The endgame of gas giant formation: accretion luminosity and contraction post-runaway
23. **Sivan Ginzburg** & Eugene Chiang, 2019, MNRAS, 487, 681 – 690.
The end of runaway: how gap opening limits the final masses of gas giants
24. Maayane Soumagnac, Eran Ofek, Avishay Gal-yam, Eli Waxman, **Sivan Ginzburg** et al., 2019, ApJ, 872, 141. *Supernova PTF12glz: A Possible Shock Breakout Driven through an Aspherical Wind*
25. **Sivan Ginzburg** & Re'em Sari, 2018, MNRAS, 479, 1986 – 1996.
Deep and wide gaps by super Earths in low-viscosity discs
26. **Sivan Ginzburg**, Hilke Schlichting & Re'em Sari, 2018, MNRAS, 476, 759 – 765.
Core-powered mass loss and the radius distribution of small exoplanets
27. **Sivan Ginzburg** & Re'em Sari, 2017, MNRAS, 469, 278 – 285.
Hot-Jupiter core mass from Roche lobe overflow
28. **Sivan Ginzburg** & Re'em Sari, 2017, MNRAS, 464, 3937 – 3944.
Tidal heating of young super-Earth atmospheres
29. **Sivan Ginzburg**, Niraj Inamdar & Hilke Schlichting, 2017, invited review in Formation, Evolution, and Dynamics of Young Solar Systems, ASSL, 445.
Super-Earths: Atmospheric Accretion, Thermal Evolution and Envelope Loss
30. **Sivan Ginzburg**, Hilke Schlichting & Re'em Sari, 2016, ApJ, 825, 29.
Super-Earth Atmospheres: Self-consistent Gas Accretion and Retention
31. **Sivan Ginzburg**, Re'em Sari & Abraham Loeb, 2016, ApJL, 822L, 11.
Blackbody Radiation from Isolated Neptunes
32. **Sivan Ginzburg** & Re'em Sari, 2016, ApJ, 819, 116.
Extended Heat Deposition in Hot Jupiters: Application to Ohmic Heating
33. **Sivan Ginzburg** & Re'em Sari, 2015, ApJ, 803, 111.
Hot-Jupiter Inflation due to Deep Energy Deposition
34. **Sivan Ginzburg** & Shmuel Balberg, 2014, ApJ, 780, 18.
Light Curves from Supernova Shock Breakout through an Extended Wind
35. **Sivan Ginzburg** & Shmuel Balberg, 2012, ApJ, 757, 178.
Superluminous Light Curves from Supernovae Exploding in a Dense Wind