Sivan Ginzburg ginzburg@berkeley.edu

APPOINTMENTS

2018 – 51 Pegasi b Postdoctoral Fellow, UC Berkeley Astronomy Department

EDUCATION

2015 – 2018 Ph.D. in Physics, The Hebrew University of Jerusalem
Exo-planet Formation and Evolution. Advisor: Prof. Re'em Sari

2009 – 2013 M.Sc. in Physics (Magna Cum Laude), The Hebrew University of Jerusalem
Superluminous Light Curves from Supernovae Exploding in a Dense Wind
Advisor: Dr. Shmuel Balberg

2005 – 2008 B.Sc. in Mathematics and Physics (Magna Cum Laude)
The Hebrew University of Jerusalem, Talpiot Program

EMPLOYMENT

2018 – Postdoctoral Fellow, UC Berkeley Astronomy Department

2016 – 2018 Teaching Assistant, Hebrew University
Thermal Physics, Electricity and Magnetism

2008 – 2014 Officer, Israel Defense Forces, Talpiot Program

2008 Teaching Assistant, Hebrew University
Thermal Physics, Electricity and Magnetism

AWARDS

2018 51 Pegasi b Fellowship, The Heising-Simons Foundation

2018 Junior fellowship, Simons Society of Fellows (declined)

2018 ITC fellowship, Harvard University (declined)

2017 Arnold Rosenblum Prize, Hebrew University

2016 Prof. Rahamimoff Travel Grant, BSF Foundation

2015 Aharon and Ephraim Katzir Study Grant, Batsheva de Rothschild Fund

2007 Dean's list, Faculty of Natural Sciences, Hebrew University

2006 Rector's award, Hebrew University

2005 Bronze medal, International Physics Olympiad, Spain

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MENTORING

2020 Dhruv Muley, undergraduate at UC Berkeley

2019 – 2020 Mickey Rosenthal, graduate at UC Santa Cruz
(jointly with Eugene Chiang and Ruth Murray-Clay)

SERVICE

Reviewer for ApJ, ApJL, MNRAS, A&A, and NASA.

PUBLICATIONS

2020 **Sivan Ginzburg** & Eugene Chiang, MNRAS Letters, 491, L34-L39. *Breaking the centrifugal barrier to giant planet contraction by magnetic disc braking*

2019 **Sivan Ginzburg** & Eugene Chiang, MNRAS, 490, 4334-4343. *The endgame of gas giant formation: accretion luminosity and contraction post-runaway*

2019 **Sivan Ginzburg** & Eugene Chiang, MNRAS, 487, 681 – 690
The end of runaway: how gap opening limits the final masses of gas giants

2019 Maayane Soumagnac, Eran Ofek, Avishay Gal-yam, Eli Waxman, **Sivan Ginzburg** et al., ApJ, 872, 141. *Supernova PTF12glz: A Possible Shock Breakout Driven through an Aspherical Wind*

2018 **Sivan Ginzburg** & Re'em Sari, MNRAS, 479, 1986 – 1996
Deep and wide gaps by super Earths in low-viscosity discs

2018 **Sivan Ginzburg**, Hilke Schlichting & Re'em Sari, MNRAS, 476, 759 – 765
Core-powered mass loss and the radius distribution of small exoplanets

2017 **Sivan Ginzburg**, Niraj Inamdar & Hilke Schlichting in Formation, Evolution, and Dynamics of Young Solar Systems, ASSL, 445
Super-Earths: Atmospheric Accretion, Thermal Evolution and Envelope Loss

2017 **Sivan Ginzburg** & Re'em Sari, MNRAS, 469, 278 – 285
Hot-Jupiter core mass from Roche lobe overflow

2017 **Sivan Ginzburg** & Re'em Sari, MNRAS, 464, 3937 – 3944
Tidal heating of young super-Earth atmospheres

2016 **Sivan Ginzburg**, Hilke Schlichting & Re'em Sari, ApJ, 825, 29
Super-Earth Atmospheres: Self-consistent Gas Accretion and Retention

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2016 **Sivan Ginzburg**, Re'em Sari & Abraham Loeb, ApJL, 822L, 11
Blackbody Radiation from Isolated Neptunes

2016 **Sivan Ginzburg** & Re'em Sari, ApJ, 819, 116
Extended Heat Deposition in Hot Jupiters: Application to Ohmic Heating

2015 **Sivan Ginzburg** & Re'em Sari, ApJ, 803, 111
Hot-Jupiter Inflation due to Deep Energy Deposition

2014 **Sivan Ginzburg** & Shmuel Balberg, ApJ, 780, 18
Light Curves from Supernova Shock Breakout through an Extended Wind

2012 **Sivan Ginzburg** & Shmuel Balberg, ApJ, 757, 178
Superluminous Light Curves from Supernovae Exploding in a Dense Wind