

Personal Information:

Name: Sivan Ginzburg
Date of Birth: October 13 1987

Education:

2015- Ph.D, Physics. The Hebrew University.
Advisor: Prof. Re'em Sari. Thesis: "Exo-planet Formation and Evolution".
2009-2013 M.Sc, Physics (Magna Cum Laude). The Hebrew University.
Advisor: Dr. Shmuel Balberg. Thesis: "Superluminous Light Curves from
Supernovae Exploding in a Dense Wind".
2005-2008 B.Sc, Mathematics and Physics (Magna Cum Laude).
The Hebrew University. Talpiot program.

Awards:

2018 51 Pegasi b Fellowship, The Heising-Simons Foundation.
2017 Arnold Rosenblum Prize, The 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, The Hebrew University.
2006 Rector's award, The Hebrew University.
2005 Bronze medal. International Physics Olympiad, Spain.

Employment:

2016- Teaching assistant. The Hebrew University.
Courses: Thermal Physics, Electricity and Magnetism.
2008-2014 Officer, Israel Defense Forces. Talpiot program.
2008 Teaching assistant. The Hebrew University.
Courses: Thermal Physics, Electricity and Magnetism.

Outreach:

Mentoring in the Israel youth physics Olympiad.
Lecturing in the Young Astronauts Israeli Academy.

Selected Talks:

2017 March Tidal Heating of Super Earths, Aspen, USA.
2017 Jan. Mar. Hot Jupiter Roche-lobe Overflow, Tel Aviv and Haifa, Israel.
2016 July Hot Jupiter Inflation and Re-inflation, Davos, Switzerland.
2016 Apr. Jul. Super-Earth Atmospheres, Sant Cugat, Spain and Leiden, The Netherlands.
2015 July Hot Jupiter Inflation due to Deep Energy Deposition, Paris, France.
2013 June Superluminous Supernovae Exploding in a Dense Wind, Rehovot, Israel.

Publications:

- 2017 Core-powered mass loss and the radius distribution of small exoplanets,
Sivan Ginzburg, Hilke Schlichting & Re'em Sari,
Monthly Notices of the Royal Astronomical Society (in review).
- 2017 Super-Earths: Atmospheric Accretion, Thermal Evolution and
Envelope Loss, **Sivan Ginzburg**, Niraj Inamdar & Hilke Schlichting,
In: Pessah M., Gressel O. (eds.) Formation, Evolution, and Dynamics of
Young Solar Systems. Astrophysics and Space Science Library, vol. 445.
Springer, Cham.
- 2017 Hot-Jupiter core mass from Roche lobe overflow,
Sivan Ginzburg & Re'em Sari,
Monthly Notices of the Royal Astronomical Society, 469, 278-285.
- 2017 Tidal heating of young super-Earth atmospheres,
Sivan Ginzburg & Re'em Sari,
Monthly Notices of the Royal Astronomical Society, 464, 3937-3944.
- 2016 Super-Earth Atmospheres: Self-consistent Gas Accretion and Retention,
Sivan Ginzburg, Hilke Schlichting & Re'em Sari,
The Astrophysical Journal, 825, 29 (12pp).
- 2016 Blackbody Radiation from Isolated Neptunes,
Sivan Ginzburg, Re'em Sari & Abraham Loeb,
Astrophysical Journal Letters, 822L, 11 (5pp).
- 2016 Extended Heat Deposition in Hot Jupiters: Application to Ohmic Heating,
Sivan Ginzburg & Re'em Sari,
The Astrophysical Journal, 819, 116 (13pp).
- 2015 Hot-Jupiter Inflation due to Deep Energy Deposition,
Sivan Ginzburg & Re'em Sari,
The Astrophysical Journal, 803, 111 (9pp).
- 2014 Light Curves from Supernova Shock Breakout through an Extended Wind,
Sivan Ginzburg & Shmuel Balberg,
The Astrophysical Journal, 780, 18 (12pp).
- 2012 Superluminous Light Curves from Supernovae Exploding in a Dense Wind,
Sivan Ginzburg & Shmuel Balberg,
The Astrophysical Journal, 757, 178 (14pp).