CONTACT INFORMATION	Department of Mathematics Ben Gurion University of the Negev Be'er Sheva, Israel.
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RESEARCH INTERESTS

Model Theory and its application to Geometry and Algebra.

EDUCATION

October 2019– present: Ben Gurion University of the Negev, Postdoctoral Fellow, Mathematics.

○ Hosts: Dr. Assaf Hasson.

October 2018– September 2019: Ben Gurion University of the Negev, Postdoctoral Fellow, Mathematics.

○ Hosts: Dr. Assaf Hasson and Dr. Moshe Kamensky.

October 2017– September 2018: Hebrew University of Jerusalem, Postdoctoral Fellow, Mathematics.

○ Host: Professor Saharon Shelah.

2013–2017: Hebrew University of Jerusalem, Ph.D. in Mathematics, Mathematics.

○ Dissertation Topic: Definable Groups in ACVF and Definable Semigroups in Stable Theories.
○ Advisor: Professor Ehud Hrushovski.

2010–2012: Hebrew University of Jerusalem, M.Sc. in Mathematics

○ Dissertation Title: On Reductive Algebraic Monoids.
○ Advisor: Professor Yakov Varshavski.
○ Dean's list 2010/11.

2006–2010: Hebrew University of Jerusalem, B.Sc. in Mathematics (*summa cum laude*).

AWARDS

○ Kreitman Post-Doctoral Fellow (2019-2020)
○ Noriko Sakurai Award (2019)
○ Post-Doc Fellow of the Minerva Stiftung (Declined)
○ Outstanding TA list at HUJI, 2015
○ Outstanding TA list at HUJI, 2014

PUBLICATIONS

Infinite Stable Graphs With Large Chromatic Number, with Itay Kaplan and Saharon Shelah, submitted.
arXiv:2007.12139

Dp-Minimal Integral Domains, with Christian d'Elbée, submitted.
arXiv:2006.05755

Definable V-topologies, Henselianity and NIP, with Assaf Hasson and Franziska Jahnke, to appear in *Journal of Mathematical Logic*.
arXiv:1901.05920

A Generalization of von Staudt's Theorem on Cross-Ratios, with Itay Kaplan, *Mathematical Proceedings of the Cambridge Philosophical Society* 168 (2020), no. 3, 601-612.
arXiv:1803.08520

∞-*constructible Subsemigroups of* $M_2(\mathbb{C})$, *Semigroup Forum* 99 (2019), no. 2, 214-232.
arXiv:1607.03603

A Conjectural Classification of Strongly Dependent Fields, with Assaf Hasson and Franziska Jahnke, *Bull. Symb. Log.* 25 (2019), no. 2, 192-195. arXiv:1805.03814

The Dp-rank of Abelian Groups, with Daniel Palacín, *J. Symb. Log.* 84 (2019), no. 3, 957-986. arXiv:1712.04503

Strongly Dependent Ordered Abelian Groups and Henselian Fields, with Assaf Hasson, *Israel J. Math.* 232 (2019), no. 2, 719-758. arXiv:1706.03376

On Stably Pointed Varieties and Generically Stable Groups in ACVF, *Ann. Pure Appl. Logic* 170 (2019), no. 2, 180-217. arXiv:1611.05422

Eliminating Field Quantifiers in Strongly Dependent Henselian Fields, with Assaf Hasson, *Proc. Amer. Math. Soc.* 147 (2019), no. 5, 2213-2230. arXiv:1707.03188

Semigroups in Stable Structures, *Notre Dame J. Formal Logic* 59 (2018), no. 3, 417–436. arXiv:1509.02275

TALKS AT CONFERENCES AND SEMINARS

2020: Mathematical Logic Seminar, HUJI, January. Algebra Seminar, University of Haifa, April.

2019: Workshop on NIP and Groups, University of Leeds, January. Model Theory of Valued Fields and Applications, University of Münster, June. Workshop on Recent Applications of Model Theory, Fields Institute, Toronto, July.

2018: Set Theory Model Theory and Applications - Conference, Ben Gurion University, April; Dresden TU International Seminar, Dresden, Germany, May; Model Theory +972 Seminar, HUJI, June; Oberseminar zur Modelltheorie und Gruppen, University of Münster, July; Mathematical Logic Seminar, HUJI, November.

2016: Mathematical Logic Seminar, The Hebrew University, November; Seminar in Logic, Set theory and Topology, Ben-Gurion University of the Negev in Israel, April; Model Theory Month in Münster - Conference, University of Munster, May;

ACADEMIC EXPERIENCE

Lecturer (Ben Gurion University of the Negev):
○ Spring 2020: Linear Algebra I for Materials Engineering
○ Fall 2019: Fourier Analysis for Electrical Engineering
○ Spring 2019: Algebra II
○ Fall 2018: Differential Equations for Materials Engineering

Lecturer (Hebrew University):
○ Spring 2018: Mathematical Logic II

Teaching Assistant 2011-2017 (Hebrew University): Linear Algebra (I and II), Mathematics of Science Students (I and II), Mathematical Logic (I and II) and Algebraic Structures I.

Teaching Assistant 2014-2018 (The Open University In Israel): Linear Algebra I, Mathematics for Students of Social Sciences, Calculus II

Seminars organized (Hebrew University):
○ Fall 2013 – Spring 2017: Graduate Student Seminar of the Mathematics Department.
○ Fall 2018–Spring 2018: Hebrew University Logic Seminar.

MISCELLANEOUS

○ Member of the Association of Symbolic Logic, 2014–2019.
○ Referee for *Revista Colombiana de Matematicas*, *Journal of Algebra and Applications*, *Math. Zeitschrfift*, *Israel Journal of Mathematics*, *Journal of Mathematical Logic*.