Balthasar Grabmayr
CURRICULUM VITAE

University of Tübingen
Department of Philosophy
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AREAS OF SPECIALISATION AND COMPETENCE

AOS   Philosophical Logic, Philosophy of Mathematics, Mathematical Logic
AOC   Epistemology, Metaphysics, Philosophy of Language, Philosophy of Logic, History of Logic

EMPLOYMENT

Junior Professor of Philosophy   since 04/2023
Department of Philosophy, University of Tübingen

Azrieli International Postdoctoral Fellow   10/2021–03/2023
Department of Philosophy, University of Haifa

Postdoctoral Researcher   05/2021–12/2021
Blavatnik School of Computer Science, Tel Aviv University

EDUCATION

Ph.D. (summa cum laude), Philosophy, Humboldt University of Berlin   2015–2021
Thesis title: "On the Philosophical Interpretation of Metamathematical Results"
Committee: Karl-Georg Niebergall (supervisor), Albert Visser (co-supervisor), Volker Halbach (external examiner)
Awarded on July 8, 2021

Bridging year from Mathematics to Philosophy, Humboldt University of Berlin   2014–2015
Coursework in fulfilment of the requirements to study a Ph.D. in Philosophy

M.Sc., Mathematics, Humboldt University of Berlin   2012–2014

B.Sc., Mathematics, Free University of Berlin   2008–2011

FELLOWSHIPS AND AWARDS

Azrieli International Postdoctoral Fellowship, Azrieli Foundation   2021–2024

IVC Fellowship, Institute Vienna Circle, University of Vienna   2020–2021

Scholarship for International Students, Israeli Council for Higher Education   2019–2020

German Academic Exchange Service (DAAD) Scholarship, New College, Oxford   2019

Minerva Fellowship, Minerva Foundation of the Max Planck Society   2016–2018

"Prodoc"-Scholarship, Carl and Max Schneider Foundation   2015–2016

German Mathematical Society (DMV): Main prize for my Master Thesis   2015

PUBLICATIONS

Peer-Reviewed Journal Articles

(forthcoming) "Montague's Problem"
The Journal of Philosophy

(2024) "A Step Towards Absolute Versions of Metamathematical Results"
Journal of Philosophical Logic, 53: 247–291

(2023) "Varieties of Self-Reference in Metamathematics" (with Volker Halbach and Lingyuan Ye)
Journal of Philosophical Logic, 52: 1005–1052

(2023) "Breaking the Tie: Benacerraf's Identification Problem Revisisted" (with Arnon Avron)
Philosophia Mathematica, 31 (1): 81–103

(2023) "Self-reference Upfront: A Study of Self-referential Gödel Numberings" (with Albert Visser)
The Review of Symbolic Logic, 16 (2): 385–424

(2021) "On the Invariance of Gödel's Second Theorem with regard to Numberings"
The Review of Symbolic Logic, 14 (1): 51–84

Outreach

(2025) "Is the pope a mathematician? Yes, actually – and his training may help him grapple with the infinite"
The Conversation (Link)

TALKS

Invited

tba UC Irvine, USA	02/2026
tba Chapman University, USA	02/2026
tba LMU Munich, Germany	11/2025
tba University of Konstanz, Germany	10/2025
The Ontology of Formal Language *12th international conference GAP.12*, Heinrich Heine University Düsseldorf	09/2025
Computation and the Structure of Arithmetic *Variations on Metamathematics*, USI, Switzerland	07/2025
Computation and the Structure of Arithmetic *Logic in Philosophy*, IUC Dubrovnik, Croatia	06/2025
Computation and the Structure of Arithmetic *Philosophy of Mathematics Seminar*, University of Oxford	06/2025
On the Limits of Mathematics and Their Philosophical Consequences *Logic in Philosophy: Incompleteness and Intuition*, IUC Dubrovnik	04/2024
The Structuralist Turn in (Meta-)Mathematics *CFvW Kolloquium*, Tübingen	04/2024
On the Limits of Mathematics and Their Philosophical Consequences *Logic Café*, University of Vienna, Austria	04/2024

The Structuralist Turn in (Meta-)Mathematics 04/2024
Variations on Philosophy of Mathematics , USI, Switzerland

On the Limits of Mathematics and Their Philosophical Consequences 12/2023
Lugano Philosophy Colloquia, USI, Switzerland

"Coordinate-free Results in Metamathematics" 10/2023
Gödel and Kant on Mathematics and Physics, Carl Friedrich von Weizsäcker Center, Tübingen

"Fixing Montague's Problem" 09/2023
Fifth New College Logic Meeting, New College, Oxford

"The Role of Representation in Computability" 06/2023
Ohio State University/Rijeka Philosophy Conference, Dubrovnik, Croatia

"Fixing Montague's Problem" 03/2022
Logic seminar, University of Helsinki, Finland

"Can we turn metamathematical results into representation-independent insights?" 01/2022
The Philosophy of Metamathematical Results, MCMP Munich, Germany

"A Step Towards Absolute Versions of Metamathematical Results" 12/2021
Hebrew University of Jerusalem, Israel

"A Step Towards Absolute Versions of Metamathematical Results" 08/2021
The Landscape of Incompleteness, Wuhan University, China

"Carnap and the Structure of Formal Language" 01/2021
Logic Café, University of Vienna, Austria

"The Role of Representations in Metamathematical Limitation Results" 06/2019
The Phonological Conundrum, Jerusalem, Israel

"What does Gödel's Second Theorem Say, and Why?" 05/2019
Rationality and Formal Methods Research Seminar, King's College London, UK

"What does Gödel's Second Theorem Say, and Why?" 02/2019
Formal Methods Seminar, University of Bristol, UK

"Syntactic vs. Semantic Approaches to Truth" 04/2018
FMV: Foundations in Mathematics – Modern views, MCMP Munich, Germany

"Philosophical Interpretations of Metamathematical Theorems" 02/2018
Hebrew University of Jerusalem, Israel

"On the Invariance of Gödel's Second Theorem with regard to Numberings" 11/2017
MFO Meeting: Mathematical Logic: Proof Theory, Constructive Mathematics,
Oberwolfach, Germany

Refereed

"Fixing Montague's Problem" 08/2023
The 11th European Congress of Analytic Philosophy, University of Vienna, Austria

"First steps towards absolute versions of metamathematical results" 09/2022
DMV Annual Meeting 2022, FU Berlin, Germany

"Can we turn metamathematical results into representation-independent insights?" 09/2022
11th international conference GAP.11 of the German Society for Analytic Philosophy,
HU Berlin, Germany

"Carnap's Conception of Syntax in his *Syntax*"   06/2022
Annual Conference of the Israeli Philosophical Association, Hebrew University, Israel

"A Closer Look at Self-Reference in Arithmetic: Language, Naming and Coding"   09/2021
PhDs in Logic XII, Freie Universität, Germany

"The Effects of Syntax Representations on Metamathematical Limitation Results"   02/2020
Annual Conference of the Israeli Philosophical Association, Tel Aviv University, Israel

"Revisiting Detlefsen's Stability Problem"   09/2018
10th international conference GAP.10 of the German Society for Analytic Philosophy,
Cologne, Germany

"A step Towards a Coordinate Free Version of Gödel's Second Theorem"   08/2018
Logic Colloquium 2018, Udine, Italy

"A Step Towards a Coordinate Free Version of Gödel's Second Theorem"   08/2017
Nordic Logic Summer School 2017, Sweden

"Invariance of Metamathematical Theorems with regard to Gödel Numberings"   06/2017
Logica 2017, Czech Republic

"Invariance of Metamathematical Theorems with regard to Gödel Numberings"   05/2017
PhDs in Logic IX, Germany

"Klassifikation von Modellen dimensionaler ω-stabiler Theorien"   09/2015
Studierendenkonferenz der DMV 2015, Hamburg, Germany

Internal

"Self-Referential Languages"   02/2020
Hebrew University of Jerusalem, Israel

"A Closer Look at Self-Reference in Arithmetic: Language, Naming and Coding"   01/2020
CS Logic Seminar, Tel Aviv University, Israel

"On Intensionality and Self-Reference"   06/2019
Logik Kolloquium, Humboldt University of Berlin, Germany

"A Theory of Propositions and Synonymy"   02/2019
Logik Kolloquium, Humboldt University of Berlin, Germany

"Intensionality and Reflective Closure"   06/2017
Logik Kolloquium, Humboldt University of Berlin, Germany

"Detlefsen's Stability Problem"   04/2017
CS Logic Seminar, Tel Aviv University, Israel

"Intensionality in Metamathematics Arising from Arithmetisation"   11/2016
CS Logic Seminar, Tel Aviv University, Israel

TEACHING

Lectures (Primary Instructor)

Introduction to Formal Logic   SS 2023 − SS 2025 **(5x)**
University of Tübingen, 150 − 200 students each term, coordination of 6 TAs

Introduction to Epistemology   SS 2025
University of Tübingen, 100 students

Logic and Argumentation WS 2022
Tel Aviv University, 30 students

Undergraduate and Masters Seminars (Primary Instructor)

What to learn from the impossible? - Formal and philosophical topics SS 2025
of impossibility theorems
University of Tübingen, interdisciplinary seminar (Philosophy, Computer Science & Machine Learning),
co-taught with Dr. Timo Freiesleben and Sebastian Zezulka

Gödel's Incompleteness Theorems WS 2024
University of Tübingen

Theories of Truth SS 2024
University of Tübingen

Advanced Logic WS 2023
University of Tübingen

Philosophy of Mathematics SS 2023
University of Tübingen

Guest Lecture

Gödel's Incompleteness Theorems WS 2019
Tel Aviv University

Tutorials

Algebra and Number Theory SS 2013
Humboldt University of Berlin

Linear Algebra SS 2012
Humboldt University of Berlin

Analysis I WS 2010 & WS 2011
Free University of Berlin

Analysis II SS 2011 & SS 2012
Free University of Berlin

ACADEMIC VISITS

Institute Vienna Circle, University of Vienna 12/2020–02/2021
IVC Fellow

Philosophy Department, Hebrew University of Jerusalem 11/2019–10/2020
Visiting Research Fellow, hosted by Carl Posy

New College, Oxford 01/2019–06/2019
Academic Visitor, hosted by Volker Halbach

Blavatnik School of Computer Science, Tel Aviv University 11/2015–04/2018
Minerva Fellow, hosted by Arnon Avron

ACADEMIC SERVICE

Co-Founder and Member of The Proof Society 2017

Journal Refereeing: *Erkenntnis* (2x), *Journal of Symbolic Logic*, *Kriterion*, *Logic Journal of the IGPL*,
Logique et Analyse, *Review for Symbolic Logic*, *Synthese Library*, *Theoria*

Academic Press Refereeing: *Cambridge University Press* (2x)

Conference Refereeing: GAP.12   2025

Grant Refereeing: DFG   2025

Program Committees

2025 Workshop and International School of the Proof Society   2025
Ghent University, Belgium

2023 Summer School on Proof Theory & 2023 Workshop on Proof Theory   2023
University of Barcelona, Spain

2022 Autumn School on Proof Theory & 2022 Workshop on Proof Theory   2022
Utrecht University, The Netherlands

1st Azrieli Meeting for the Humanities, Israel   2022

2021 Winter School on Proof Theory & 2021 Workshop on Proof Theory and its Applications 2021
University of Madeira, Portugal

2nd International Summer School on Proof Theory & 2nd Workshop on Proof Theory   2019
Swansea University, UK

1st International Summer School on Proof Theory & 1st Workshop on Proof Theory   2018
Ghent University, Belgium

Conference Organisation

Fifth New College Logic Meeting, New College, Oxford (with Volker Halbach and Lingyuan Ye) 2023

Paths in Logic, University of Haifa, Israel   2022

The Phonological Conundrum, Edelstein Center and LLCC, Hebrew University, Israel   2019
Funded by grants from the Edelstein Center for the History and Philosophy of Science and the SH Bergman Center
for Philosophical Studies (joint application with M. Goldboim and D. Kashtan).

Ouroboros: Formal Criteria of Self-Reference in Mathematics and Philosophy,   2018
University of Bonn, Germany. Funded by a grant of the Hausdorff Center for Mathematics
(joint application with R. Krapf, A. Njegomir and D. Sarikaya).

FOMUS: Foundations of Mathematics - Univalent Foundations and Set Theory   2016
Center for Interdisciplinary Research, Bielefeld, Germany. Funded by grants from the Center of Interdisciplinary
Research, the German Academic Merit Foundation and the German Society for Analytic Philosophy (joint application with D. Kant, L. Kühne and D. Sarikaya)