





Quantity, Extension, and Infinity in the 13th and 14th Centuries **RESEARCH WORKSHOP OF THE ISRAEL SCIENCE FOUNDATION** 5–8 June 2023, Tel Hai

Organized by: Giora Hon and Yael Kedar

<u>Monday June 5</u> Seminar room (2318), Eastern Campus

9:30–10:00 – Welcome and opening remarks

10:00–11:30 – Quantity, Matter and Bodies

Chair: Cecilia Trifogli

- >> Expanding quantity: Robert Grosseteste on the bodily form Nicola Polloni (KU Leuven)
- >> The unity of matter, extension and potentiality in late thirteenth century natural philosophy José Filipe Silva (University of Helsinki)

11:30–11:45 – Coffee break

11:45–13:15 – Metaphysics, Quantification, and Duality Chair: Nicola Polloni

- >> Numbers and diagrams: Shao Yong (1012–1077) and his legacy in 11th–13th century China Sophia Katz (Tel Hai College)
- >>The substance and function (ti-yong) formula and Aristotle's hylomorphic model Gad C. Isay (Tel Hai College)

13:15–14:15 – Lunch break

14:15–15:45 – Continuity, Quantity, and the Aristotelian Categories Chair: Ruizhi Ma

- >> Fakhr al-Din al-Razi on the category of quantity Ahmed Igbariah (Tel Aviv University)
- >> Continuity, limits, and quantity in Al-Farabi's paraphrase of Aristotle's Categories Yehuda Halper (Bar Ilan University)

15:45–16:00 – Coffee break

16:00–17:30 – God's Unity and Infinity Chair: Yael Kedar

>> From horror vacui to amor infini: The context and function of ornamentation considering the notions – void, infinity, and the place of God Danielle Omesi Moisa (Tel Aviv University) >> Measures in the Lucca Codex: Following instructions and making mistakes Yael Barash (Tel Aviv University)







<u>Tuesday June 6</u>

"Agur" Conference room in the Hula Lake Park

10:00–11:30 – Infinity and Infinities

Chair: Clelia Crialesi

- >> Actual infinities of different kinds in Richard Kilvington's philosophical and theological texts Robert Podkoński (University of Łódź)
- >> Quantity and infinity in Jacques Legrand's **Compendium utriusque philosophie:** A late nominalist approach to Aristotle Daniel A. Di Liscia (LMU Munich)

11:30–12:15 – A visit to the Agamon wildlife rehabilitation center. Guide: Dr. Rona Nadler-Valensi

12:15–12:30 – Coffee break

12:30–14:00 – Measuring Forms

Chair: Daniel A. Di Liscia

- >> Richard Kilvington's concept of measuring the qualitative changes by the latitude of forms Elżbietą Jung (University of Łódź)
- >> From the measure of qualities to the quantification of metaphysical essences. On some 14th-century applications of limit decision problems to the perfection of species Sylvain Roudaut (Stockholm University)

14:00—15:00 — Lunch break

15:00–16:30 – Nature and Minimal Parts Chair: Sophia Katz

- >> John Buridan and the piecemeal view of substantial change Roberto Zambiasi (University of Torino)
- >> Nicholas d'Autrécourt on minima and indivisibles Aurélien Robert (CNRS, Université de Paris)

16:30–16:45 – Coffee break

16:45—18:15 — All the Time in the World Chair: Roberto Zambiasi
>> Crescas' conception of infinite magnitudes Avishay Gallili (Tel Hai College)
>> Does the aevum have parts? Some 13th-century reflections on the simplicity of eviternity Dominic Dold (University of Notre Dame) On zoom.







Wednesday June 7 Seminar room (2318), Eastern Campus

9:30–11:00 – Philosophical and Theological Aspects of Quantity Chair: Sylvain Roudaut

- >> William of Ockham on the ontological status of quantity Cecilia Trifogli (Oxford University)
- >> Quantity, place, and perception in 13th-century Eucharistic debates Julia Reed (Bar Ilan University)

11:00–11:45 – A visit to the historical cartography collection. Guided by: Shalom Termechy

11:45–12:00 – Coffee break

12:00–13:30 – Round Table Discussion
 Chairs: Nicola Polloni and Yael Kedar
 >> History – philosophy – science: Disciplinary and methodological intertwining

13:30–14:30 – Lunch break

14:30–16:00 – Geometrical Objects in Continuous Space
 Chair: Elżbietą Jung
 >> Gregory of Rimini on infinite extended quantities
 Clelia Crialesi (KU Leuven)

>> An impossible synthesis: Geometrical atomism vs. the continuity of matter, Roger Bacon's solution Yael Kedar (Tel Hai College)

16:00–16:15 - Coffee break

16:15–17:45 – Color and the Perception of Quantities Chair: Giora Hon
>> How big is a red square? Two ways of accounting for the perception of quantities in the thirteenth century Elena Baltuta (Tel Hai College)
>> Unquantifiable color power and discontinuous color order in Avicenna and Nașīr al-Dīn al-Ṭūsī Ruizhi Ma (Humboldt University, Berlin)