



Epistemology of Arithmetic: New Philosophy for New Times

Käte Hamburger Kolleg “Cultures of Research”, RWTH Aachen University

Celebration workshop of Markus Pantsar’s book *Numerical Cognition and the Epistemology of Arithmetic* (Cambridge University Press 2024) and Gabriele Gramelsberger’s award of the K. Jon Barwise Prize 2023 for philosophy and computing by the American Philosophical Association.

2024, May 16th 13.30 - 18.30

13.30-14.00 Welcome

14.00-15.00 Markus Pantsar (RWTH Aachen University): “From Numerical Cognition to the Epistemology of Arithmetic”

15.00-16.00 Dirk Schlimm (McGill University, Montreal): “Where Do Mathematical Symbols Come from?”

30 min break

16.30-17.30 Richard Menary (Macquarie University, Sydney): “The Multiple Routes Model of Enculturation and Numerical Cognition”

17.30-18.30 Regina Fabry (Macquarie University, Sydney): “Enculturation Gone Bad: The Case of Math Anxiety”

19.00 Party & Barbecue



2024, May 17th 10.00 - 17.00

10.00-11.00 Catarina Dutilh Novaes (VU Amsterdam): “Dialogical Pragmatism and the Justification of Deduction”

30 min break

11.30-12.30 Stefan Buijsman (TU Delft): “Getting to Numerical Content from Proto-arithmetic”

12.30-13.30 Frederik Stjernfelt (Aalborg University Copenhagen): “Peirce’s Philosophy of Notations and the Trade-offs in Comparing Numeral Symbol Systems”

Lunch break

15.00-16.00 Alexandre Hocquet (Université de Lorraine / Laboratory Archives Henri-Poincaré): “Reproducibility, Photoshop, Pubpeer, and Collective Disciplining”

16.00-17.00 Gabriele Gramelsberger (RWTH Aachen University) and Andreas Kaminski (TU Darmstadt): “Philosophy of Computational Sciences”

Talks: We aim for 30-40 minutes talks and 30-20 minutes discussions.

Location: Käte Hamburger Kolleg “Cultures of Research”, Theaterstrasse 75, D-52062 Aachen
<https://khk.rwth-aachen.de>