

Workshop: Demonstrative and Non-Demonstrative Reasoning in Mathematics and Natural Science

Thursday 16th June

Room II

9.30-10.00: Opening

10.00-10.45: *Volker Peckhaus* (Universität Paderborn)

Pre-Deductive Reasoning: From the Ars Inveniendi to the Context of Discovery

10.45-11.00: Break

11.00-11.45: *Emily Grosholz* (PennState University)

Diagrams and Notation in Topology and Differential Geometry Textbooks: Revisiting the Labyrinth of the Continuum

11.45-12.30: *Lorenzo Magnani* (Università di Pavia)

Inferring through Doing: The Non Demonstrative Effect of External Representations

12.30: General Discussion

Room V

15.00-15.45: *Maurizio Ferriani* (Università di Bologna)

Peircean Abduction: Inference, Insight, or Heuristic Strategy?

15.45-16.30: *Cesare Cozzo* (Università di Roma 'La Sapienza')

A Critique of the Inference from Epistemological Holism to Meaning Holism

16.30-16.45: Break

16.45-17.30: *Mirella Capozzi* (Università di Roma 'La Sapienza')

Kant on Heuristics as a Desirable Addition to Logic

17.30-18.15: *Elena Gagliasso* (Università di Roma 'La Sapienza')

Reasoning Styles in Population Genetics and in Ecology

18.15: General Discussion

Friday 17th June

Room V

9.30-10.15: *Carlo Cellucci* (Università di Roma 'La Sapienza')

The Question Hume Didn't Ask: Why Should We Accept Deductive Inferences?

10.15-10.45: *Paolo Pecere* (Università di Cassino)

Ether Proofs and the Possibility of Physics in Kant's Late Thought

10.45-11.00: Break

11.00-11.30: *Emiliano Ippoliti* (Università di Roma 'La Sapienza')

Demonstrative and Non-Demonstrative Aspects of Analogical Reasoning

11.30-12.00: *Pierluigi Graziani* (Università di Roma 'La Sapienza')

Another Look at Ancient Analytical-Synthetical Reasoning

12.00: General Discussion

Room V

15.00-15.30: *Valeria Giardino* (Università di Roma 'La Sapienza')

Proofs and Diagrams in Mathematics

15.30-16.00: *Vera Tripodi* (Università di Roma 'La Sapienza')

Singular Terms and Inferential Criteria

16.00: General Discussion

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