

THE THEORY OF DEFINITIONS BY ABSTRACTION: ROOTS, HISTORY, CONTEMPORARY DEVELOPMENTS

Interdisciplinary workshop - History and Philosophy of Logic and Mathematics

Monday 11 February (afternoon)

14:30-15:45

David RABOUIN (SPHERE, UMR 7219 CNRS & Univ. Paris Diderot)
Leibniz on reduction to identities

15:45-17:00

Paola CANTÚ (Centre Gilles Gaston Granger, UMR 7304 CNRS & Aix-Marseille Université)

Definitions by abstraction as implicit definitions in the Peano School. Turn of the century (19th-20th)

Coffee break

17:15-18:30

Erika LUCIANO (Dipartimento di Matematica Giuseppe Peano, Università de Torino)

The Peanian contributions to the theory of definitions by abstraction: methodological instances, teaching practices and textbooks

Tuesday 12 February

9:00-10:15

Sébastien GANDON (Philosophies & Rationalités, Univ. Clermont-Auvergne)

Abstraction, Universals, Determinables. Russell's idealist temptation

Coffee break

10:30-11:45

Jean-Baptiste RAUZY (Rationalités Contemporaines, EA 3559, Sorbonne Université)

Quasi-fregean Abstractions and the Caesar Problem

11:45-13:00

Baptiste MÉLÈS (Archives Henri Poincaré, UMR 7117 CNRS & Univ. de Lorraine)

Principle of abstraction and philosophical systems in Jules Vuillemin

Lunch break

14:30-15:45

Benjamin SISKIND (Logic and the Methodology of Science, UC Berkeley)

Neologicist foundations: inconsistent abstraction principles and part whole

15:45-17:00

Jean-Baptiste JOINET (IRPhil, Université Jean Moulin Lyon 3)

From abstraction principles to the notion of type : abstracting w.r.t. contextual behaviour

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