



Fachbereich Philosophie

Fachbereichskolloquium
Wintersemester 2019/20

18:15 bis 19:45, G 307

Im Rahmen des PHILOSOPHISCHEN KOLLOQUIUMS findet am
Donnerstag, 12. Dezember, folgender Vortrag statt:

Carolin Antos
Universität Konstanz

Conceptual Change in Set Theory: Exploring Mathematical Phenomena

The debate about the existence of conceptual change (let alone conceptual revolutions) in mathematics is a controversial one. In this talk we will present an approach towards explaining a possible conceptual change in set theory which is bottom-up in the following manner: Instead of proposing a general theory of how conceptual change could work in mathematics, we will undergo extensive philosophical analyses of different phenomena in set theory (and its philosophy) with the goal of exploring whether they give evidence for possible forms of conceptual change. The range of these phenomena is broad: it includes the structure of non-causal explanations, setting and pursuing foundational goals in set theory, the introduction of new objects into the practices, as well as categorization of mathematical disciplines. What these analyses have in common is that they are all grounded in the mathematical practice, taking as a basis case studies of past and present mathematical work (by evaluating source documents, interviews with set theorists, etc). We therefore also attempt to bridge two branches of philosophy of mathematics, the traditional analytic one and the philosophy of mathematical practice, to show how fruitful the combination of these two can be.

Alle Interessierten, insbesondere auch Studierende, sind herzlich eingeladen.

nächster Vortrag: 16.1.
Louise Richardson (University of York)
The Power of Taste