Kant on the Mathematical Principles of Pure Understanding

Presented by:

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Abstract: In this talk, I aim to describe how the so-called "Mathematical" Principles of Pure Understanding relate to the principles of mathematics, properly speaking (that is, how the principles of transcendental philosophy known as the Axioms of Intuition and the Anticipations of Perception relate to the original and fundamental truths that ground the discipline of mathematics.) Along the way, I will discuss Kant’s notion of mathematical representation, as well as the role that his theory of sensibility plays in his understanding of the foundations of mathematics. (This work is in service to a larger project focused on the role of mathematics in Kant’s cognitive system, and the special role of "schematism" in relating the sensible to the intellectual.)

Bio: Lisa Shabel is an Associate Professor of Philosophy at The Ohio State University, having earned her Ph.D. at the University of Pennsylvania. She works on Kant’s philosophy of mathematics, and related issues in Kant, the history of mathematics, and the early modern period. She is currently working on a project focused on Kant’s "schematism."