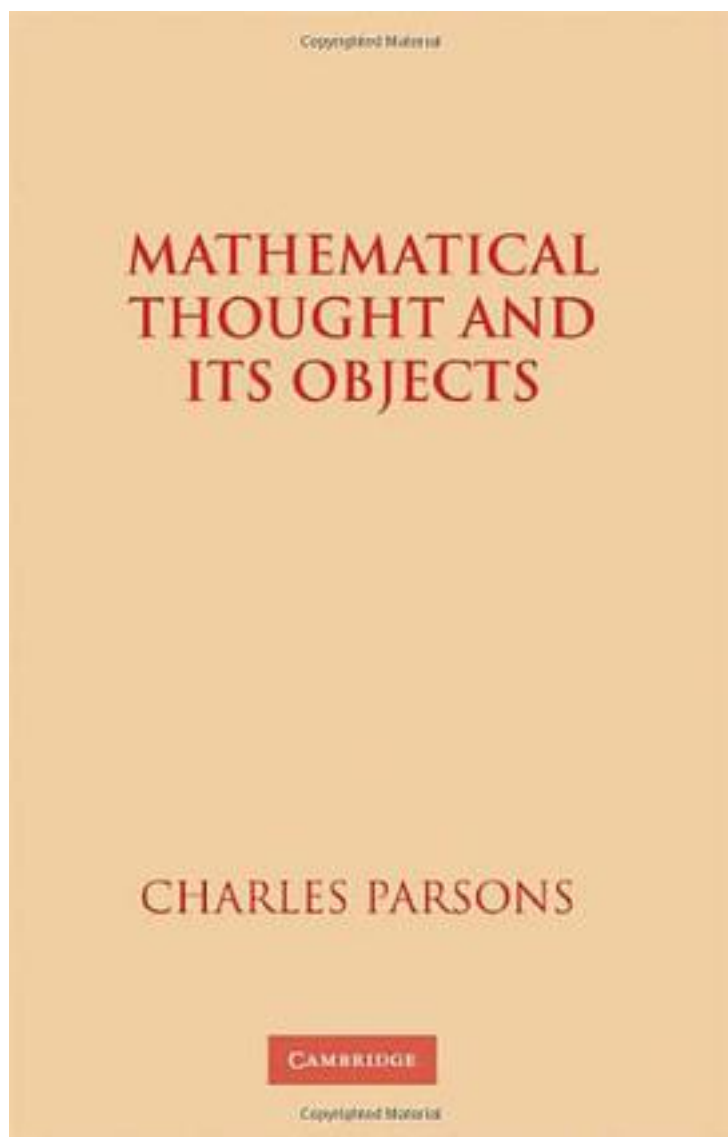# Mathematical Thought and Its Objects

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著者:Charles Parsons

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Charles Parsons examines the notion of object, with the aim to navigate between nominalism, denying that distinctively mathematical objects exist, and forms of Platonism that postulate a transcendent realm of such objects. He introduces the central mathematical notion of structure and defends a version of the structuralist view of mathematical objects, according to which their existence is relative to a structure and they have no more of a 'nature' than that confers on them. Parsons also analyzes the concept of intuition and presents a conception of it distantly inspired by that of Kant, which describes a basic kind of access to abstract objects and an element of a first conception of the infinite.

・ Treatment of the notion of object in mathematics motivated by a general idea about objects ・ Analysis of the concept of intuition and development of a particular conception of it ・ Attempt to balance the intuitive, conceptual and rational in mathematical thought

http://www.cup.cam.ac.uk/us/catalogue/catalogue.asp?isbn=0521452791

作者介绍:

Preface; 1. Objects and logic; 2. Structuralism and nominalism; 3. Modality and structuralism; 4. A problem about sets; 5. Intuition; 6. Numbers as objects; 7. Intuitive arithmetic and its limits; 8. Mathematical induction; 9. Reason.

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