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# Three Applications of Zermelo's theorem on part-whole

The aim of the presentation is to give a general overview of the application of a result by Ernst Zermelo to three very different areas of investigation: abstraction principles in neologicism, the axiom of choice in second-order logic, and regularity properties in probability theory. The talk is based on three articles that have recently appeared.

Organized by the Centre for Science, Technology, and Society Studies

**WEDNESDAY 07/05/2025 | 13:30**

MEETING ROOM 124A,  
INSTITUTE OF PHILOSOPHY,  
CZECH ACADEMY OF SCIENCES,  
JILSKÁ 1, PRAGUE