

Seminář se koná 9.10.2019 od 16:30 v [Mendelově muzeu](#) .

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Enumeration Operators, Probability, Type Theory

Abstract:

For a long time it has been known that enumeration operators on the powerset of the integers form a model of the  $\lambda$ -calculus. More recently, the speaker realized that well-known methods allow for the adjunction of random variables to the model. Also other well-known ideas can extend the basic model into a model for Martin-Löf type theory. Some recent work with a group of collaborators combines the two approaches by invoking Boolean-valued models. The talk will address the question of how to give this natural modeling interesting applications.