▶ ANDREI S. MOROZOV, Some Aspects of Computability over the Reals.
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First we discuss the relationship between the property of effective openennes of sets of reals, which is a key notion in the study of computability without equality test, and Σ definability and give some numeration theorems which could be considered as arguments showing that the computability over the reals between equality test cannot be immediately reduced to Σ definability. Then we give a series of results on the complexities of index sets for a wide series of properties of Σ definable sets of reals. In the third part of the talk we give an overview of the authors results on the presentation of algebraic structures over the reals.