ANDREI S. MOROZOV, *Some Aspects of Computability over the Reals.*
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First we discuss the relationship between the property of effective openeness 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 com-
plexities 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.