New results and problems related with Δ-spaces and Δ_1-spaces

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ABSTRACT

We will present new topological and set-theoretic results with some applications concerning Δ-spaces and Δ_1-spaces and their connections with objects on the real line such as λ-sets and Q-sets. We discuss also recent results about Baire ω-resolvable spaces which are Δ-spaces. A number of open problems in this area will be provided.