

Strong Frechet properties, AD families and squares.

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We will deal with some convergence properties related to strengthenings of Frechetness in topological spaces. In order to study productivity of Fréchet spaces, Arhangel'skii introduced some strengthenings of it as well as the α_i properties. However, some questions regarding the relationship between all these properties were left open. Making use of square sequences and almost disjoint families, we will construct examples that solve some of the aforementioned questions.
(joint work with William Chen-Mertens and Paul Szeptycki)