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S. A. Argyros and **P. Motakis***, Texas A&M University, and **B. Sari**. *A study of conditional spreading sequences.*

The notion of a spreading model plays a central role in the linear theory of Banach spaces and it concerns the asymptotic behavior of linear combinations of sequences in such spaces. It has been used in a variety of ways, e.g. to study the behavior of finite block sequences of Schauder bases and even to study properties of bounded linear operators on certain Banach spaces. A notion that goes hand in hand with spreading models is that of a spreading sequence. We analyze the norm behavior of conditional spreading sequences and break them up into two basic components that are very well behaved, namely one that is equivalent to all its convex block sequences and one that is subsymmetric. We apply this analysis to study the structure of spaces with conditional spreading bases and to prove results such as the fact that every conditional spreading sequence is admitted as a spreading model of a quasi-reflexive Banach space and the fact that $C(\omega^\omega)$ admits all possible spreading models, i.e. both the conditional and the unconditional ones. (Received March 19, 2017)