

94. Zvi Artstein and Vladimir Gaistgory, **Convergence to convex sets in infinite dimensions**. J. Mathematical Analysis and Applications 284 (2003), 471-480.

Abstract. We provide a simple test for the convergence of a sequence of subsets in an infinite dimensional space to a compact convex one. The test reduces, roughly, the convergence problem to finite dimensions. Applications are portrayed demonstrating how convexification phenomena established in finite dimensions are easily generalized to infinite dimensions.

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