

MR1420432 (97i:46016) [46A80](#) ([46A16](#) [46E30](#))

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Modular spaces and K -widths. (English summary)

Functional analysis (Trier, 1994), 1–10, *de Gruyter, Berlin*, 1996.

Let (X, \mathcal{N}) be an SF-space (a generalization of F -spaces), and let $D \subset X$ be bounded. Conditions are given under which $\alpha(D) = \lim_{k \rightarrow \infty} d^k(D)$, where $\alpha(D)$ is the ball measure of noncompactness of D and $d^k(D)$ is the K -width of D . Moreover, let $D \subset X_\rho$ be a ρ -bounded subset of a modular space X_ρ . It is proved under suitable conditions that $\alpha(D) = \lim_{k \rightarrow \infty} d_\rho^k(D)$, $\alpha(D)$ being the ρ -ball measure of noncompactness of D and $d_\rho^k(D)$ being the K -width of D in X_ρ .

{For the entire collection see [MR1420431 \(97f:46001\)](#)}

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