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

{For the entire collection see MR1420431 (97f:46001)}

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