SPECTRAL PROPERTIES FOR BOUNDED OPERATORS ON LOCALLY CONVEX SPACES

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ABSTRACT. The aim of this presentation is the study of spectral properties of the class of quoient bounded operators and the class of universally bounded operators on a locally convex space.
For a quotient bounded operator T on a locally convex space X we introcude the spectral radius $r_p(T)$ and prove thet the porperties of spectral radius for a bounded operator on a Banach space are also true in this case. Moreover, for such operator we prove that $|\sigma(Q_p,T| = r_p(T)$ and the Newmann series $\sum_{n=0}^{\infty} \frac{T^n}{\lambda^{n+1}}$ converges to $R(\lambda,T)$, whenever $|\lambda| > r_p(T)$. For a universassy bounded operator T on locally convex spaces X only can prove that $|\sigma(B_p,T| \leq r(B_p,T)$.