

Analysis of spectral points of the operators $T^{[*]}T$ and $TT^{[*]}$ in a Krein space

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Spectra and sets of regular and singular critical points of definitisable operators of the form $T^{[*]}T$ and $TT^{[*]}$ in a Krein space are compared. The relation between the Jordan chains of the above operators (corresponding to the same eigenvalue) is discussed.