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Spectrum of Upper Triangular Operator Matrices

Let H and K be Banach spaces, let $B(H, K)$ denote the set of bounded linear operators from H to K , and abbreviate $B(H, H)$ to $B(H)$. For the operators $A \in B(H)$, $B \in B(K)$ and $C \in B(K, H)$, let M_C denote the operator matrices in $B(H \oplus K)$ defined with

$$M_C = \begin{pmatrix} A & C \\ 0 & B \end{pmatrix} : H \oplus K \rightarrow H \oplus K. \quad (1)$$

In this talk we will describe spectrum, Weyl's and Browder's spectrum of operator matrices M_C using spectral property of operators A and B .