Remark on operator matrices and their Weyl type theorems

Abstract

In this talk, we study several spectral properties of operator matrices \( \begin{pmatrix} A & C \\ Z & B \end{pmatrix} \) acting on an infinite dimensional separable Hilbert space, where the range of \( C \) is closed. In particular, we investigate the conditions for such operator matrices to satisfy Weyl’s theorem and Weyl type theorems such as \( a \)-Weyl’s theorem, \( a \)-Browder’s theorem, and so on.

This talk is based on joint work with Eungil Ko and Ji Eun Lee.

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Session: Contributed talk