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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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Talk location: Cupples I Room 218

Session: Contributed talk