INTISARI

Matriks Operator dan Ruang Barisan bv

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Dalam tesis ini dibahas tentang domain matriks ruang barisan bv oleh beberapa matriks tak hingga segitiga, antara lain matriks W, matriks Cesaro order satu, matriks *Generalized Weighted*, dan matriks Riesz. Beberapa hal terkait matriks domain yang dibahas meliputi isomorfisma ruang barisan, ruang BK, basis Schauder, ruang dual-α, dual-β, dual-γ serta karakterisasi hasil pemetaan suatu ruang barisan oleh beberapa kelas matriks transformasi. Lebih lanjut, dibahas juga relasi inklusi dari beberapa domain matriks ruang barisan bv.

ABSTRACT

Matrix Operators and bv Sequence Spaces

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In this thesis, we study about the matrix domain of the bv sequence space by several triangle infinite matrices, namely the W matrix, the Cesaro mean of order one matrix, the *Generalized Weighted* matrix, and the Riesz matrix. Several things related to the matrix domain that will be observed include isomorphim of sequence spaces, BK- spaces, Schauder bases, α-duals, β-duals, γ-duals and also the characterization of a mapping of a sequence space by some classes of matrix transformations. Furthermore, we also discuss inclusion relations between several matrix domains of the sequence space bv.