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Abstracts of Short Communications and Posters

Section:

8. Analysis

1991 MS Classification: 40
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Matrix Maps of Quasiconvex Null Sequences
Stieglitz and Tietz identify the space q^α of all quasiconvex convergent sequences as a BK-space and characterize all infinite matrices mapping q^α into an arbitrary FK-space. We characterize all matrices mapping the space $q_0^\alpha := q^\alpha \cap c_0$ of all quasiconvex null sequences into an arbitrary FK-space . At first we consider a special matrix map of q_0^α which gives us the BK-topology on q_0^α. Further we get the β-duals of q_0^α and q^α.
Reference: M. S tieglitz and H. Tietz, Matrixtransformationen quasikonvexer Folgen. Hokkaido Math. J. 6, 10–15 (1977).