Title: Matrix transformations on the matrix domains of triangles in the spaces of strongly $C_1$-summable and bounded sequences

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Let , and be the sets of sequences that are strongly summable to zero, summable and bounded of index $p \geq 1$ by the Cesàro method of order 1, which were introduced by Maddox [I. J. Maddox, On Kuttner's theorem, J. London Math. Soc. 43 (1968), 285–290]. We study the matrix domains $= (w^p_0)_T$, $= (w^p)_T$ and $= (w^p_\infty)_T$ of arbitrary triangles $T$ in , and , determine their $\beta$-duals, and characterize matrix transformations on them into the spaces $c_0$, $c$ and $\ell_\infty$.

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