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Huseyin Bereketoglu* (bereket@science.ankara.edu.tr), Ankara University, Faculty of Science, Department of Mathematics, Tandogan, 06100 Ankara, Turkey, and **Aydin Huseynov**.

Convergence of Solutions of Nonhomogeneous Linear Difference Systems with Delays.

Sufficient conditions are given for the asymptotic constancy of the solutions of a linear system of difference equations with delays. Moreover, it is shown that the limits of the solutions, as t goes to infinity, can be computed in terms of the initial function and a special matrix solution of the corresponding adjoint equation. (Received August 18, 2010)