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1962

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Abstract

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CORRECTION

In my article (V. Ya. Urm, "On necessary and sufficient conditions for the stability of systems of difference equations"), published in *DAN*, vol. 139, no. 1, 1961, in the formulation of the theorem containing the stability conditions, the point concerning the special form of the triangular matrix \bar{A}_0 was omitted. In the proof of the theorem one should bear in mind that the eigenvalues λ_i are arranged along the main diagonal of \bar{A}_0 so that the following scheme is fulfilled:

$$\begin{array}{cccc}
 & & & \lambda_1 \\
 & & & p_{12} \lambda_2 \\
 & & p_{13} & p_{23} \lambda_3 \\
 & \cdot & \cdot & \cdot \\
 & \cdot & \cdot & \cdot \\
 & \cdot & \cdot & \cdot \\
 p_{1k} & p_{2k} & \cdots & \lambda_k
 \end{array}$$

$$p_{ij} \leq p_{im}, \quad j > m; \quad p_{ji} \leq p_{mi}, \quad j < m,$$

where the number p_{ij} is equal to the number of the first common coefficients α_k in the expansions (7) for the pair of eigenvalues λ_i and λ_j .

V. Ya. Urm

T-11889. Signed for printing 17.10.1962. Print run 5525 copies. Order 1081.
Paper format $70 \times 108^{1/16}$. Printed sheets $20.45 + 4$ inserts. Paper sheets $7\frac{1}{2}$.
Publisher's sheets 22.9.

2nd printing house of the Publishing House of the Academy of Sciences of the USSR, Moscow, Shubinskii Lane, 10.

Note: Figure translations are in progress. See original paper for figures.

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