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LINEARIZATION OF REGULAR MATRIX POLYNOMIALS*

PETER LANCASTER†

Abstract. This note contains a short review of the notion of linearization of regular matrix polynomials. The objective is clarification of this notion when the polynomial has an "eigenvalue at infinity". The theory is extended to admit reduction by locally unimodular analytic matrix functions.

Key words. Linearization, Regular matrix polynomials.

AMS subject classifications. 15A29, 74A15.