

Matrix polynomials: parametrization and canonical forms

P. Lancaster

We consider matrix polynomials with nonsingular leading coefficient and their linearizations. Parametrizations are obtained for strict equivalence and congruence transformations of the linearizations. The centralizer of the Jordan form plays a major role in these parametrizations. Jordan structures over either the real or complex numbers are admitted.

This talk is based on joint work with I. Zaballa.