

APPLIED MATHEMATICS COLLOQUIUM

Date: Friday, October 28, 2016

Time: 10:30 – 11:30 a.m.

Location: Middlesex College Room 204

Structure-Revealing Condensed Forms for Matrix Polynomials

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Abstract: An important property of the Kronecker canonical form for matrix pencils is that it immediately reveals the spectral and singular structure (i.e., the elementary divisors and minimal indices) of the pencil. Is there any analogous structure-revealing condensed form for general matrix polynomials of degree greater than one? This talk will discuss the current status of our work towards developing such a condensed form.