

EFFICIENT NUMERICAL METHODS FOR THE POLYNOMIAL
SPECTRAL FACTORIZATION

L. Gemignani

Department of Mathematics

University of Pisa

Largo B. Pontecorvo, 56127 Pisa, Italy

`gemignan@dm.unipi.it`

First in this talk we review efficient and accurate numerical methods for computing the polynomial spectral factorization. Then we discuss some extensions and applications of these methods for dealing with bivariate polynomials.