

Spectral Theory and Applications

Multiplicative non-Hermitian perturbations of Jacobi matrices

ROSTYSLAV KOZHAN

University of Uppsala, Sweden
rostyslav.kozhan@math.uu.se

We fully classify possible eigenvalue configurations of rank-one multiplicative non-Hermitian perturbations of Jacobi matrices. We provide a Hermite-Biehler type theorem for the characteristic polynomial and an application in random matrix theory. Joint work with M. Tyaglov.
