Title: On spectral variation of two-parameter matrix eigenvalue problem

Author(s): Michael Gil’

We consider the two-parameter eigenvalue problem

\[ Z_j v_j - \lambda_1 A_{j1} v_j - \lambda_2 A_{j2} v_j = 0, \]

where \( \lambda_j \in \mathbb{C} \); \( Z_j, A_{jk} \ (j, k = 1, 2) \) are matrices. Bounds for the variation of the spectrum of that problem under perturbations are suggested.

Address:
Michael Gil’
Department of Mathematics
Ben Gurion University of the Negev
P.0. Box 653, Beer-Sheva 84105
Israel