

Two Parameter Eigencurves for Non-Definite Eigenproblems

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A review will be given of some uses of the embedding

$$Ax = \lambda Bx - \mu x,$$

and in particular its (λ, μ) eigencurves, for studying the generalised eigenproblem

$$Ax = \lambda Bx.$$

Topics will include some history and properties of eigencurves; some classes of operators (from classical to recent) that they can accommodate; and some types of spectral questions that they can help to address.