

Two parameter eigencurves for definite and indefinite eigenvalue problems

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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 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.