

APPROXIMATION OF EIGENVALUE PROBLEMS WITH MINRES: RECENT ADVANCES

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ABSTRACT

Accurate flux approximations are of interest in many applications and minimum residual methods involves the flux and the stress as independent variables approximated in a suitable $H(\text{div})$ -conforming finite element spaces. Considering the corresponding spectral problems is helpful to determine the response of materials to a given phenomenon and is crucial to our description of the world. In this talk, we therefore discuss recent advances concerning the spectral properties of operators associated with the corresponding least-squares and discontinuous Petrov-Galerkin finite-element minimization of the residual.

REFERENCES

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