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Garau, Eduardo M.; Morin, Pedro; Zuppa, Carlos
Convergence of adaptive finite element methods for eigenvalue problems
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MSC Classification: 65N25 65N30 65N12

Keywords: finite element method; adaptive finite element method; eigenvalue problems

Review text:
This paper deals with the convergence of adaptive finite element methods for second order elliptic eigenvalue problems. The authors consider the Lagrange finite elements of any degree and they prove the convergence of the simple as well the multiple eigenvalues under a minimal refinement of marked elements for all reasonable marking strategies, and starting from any initial triangulation.

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