

# HIGH ACCURACY ANALYSIS OF ELLIPTIC EIGENVALUE PROBLEM FOR THE WILSON NONCONFORMING FINITE ELEMENT

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**摘要** In this paper, the Wilson nonconforming finite element is considered for solving elliptic eigenvalue problems. Based on an interpolation postprocessing, superconvergence estimates of both eigenfunction and eigenvalue are obtained.

**关键词** [Eigenvalue problems, high accu](#)

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**Abstract** In this paper, the Wilson nonconforming finite element is considered for solving elliptic eigenvalue problems. Based on an interpolation postprocessing, superconvergence estimates of both eigenfunction and eigenvalue are obtained.

**Key words** [Eigenvalue problems](#) [high accuracy analysis](#) [interpolation postprocessing](#) [Wilson nonconfo](#)

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