
DE056597674

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Nonconforming H^1 -Galerkin mixed FEM for Sobolev equations on anisotropic meshes
Acta Math. Appl. Sin., Engl. Ser. 25, No. 2, 335-344 (2009).

MSC Classification: 65N30 35Q10

Keywords: Sobolev equations; nonconforming Galerkin mixed finite element methods; anisotropic meshes; error estimates

Review text:

The authors consider a nonconforming mixed finite element approximation for the Sobolev equation on anisotropic meshes. Convergence order is provided in the both cases of semi and full discretization schemes. The error estimates are obtained without using Ritz–Volterra projection.

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