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On vertex reconstructions for cell-centered finite volume approximations of 2D anisotropic diffusion problems. (English) Zbl 1119.65115

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MSC:

- 65N30 Finite element, Rayleigh-Ritz and Galerkin methods for boundary value problems involving PDEs
- 35J25 Boundary value problems for second-order elliptic equations
- 65N50 Mesh generation, refinement, and adaptive methods for boundary value problems involving PDEs
- 76M12 Finite volume methods applied to problems in fluid mechanics
- 76R50 Diffusion

Cited in **24** Documents

Keywords:

finite volumes; convection diffusion; unstructured meshes; vertex reconstruction; numerical examples; linear least squares

Full Text: [DOI](#)

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