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## An Error Estimate for Finite Volume Methods for the Stokes Equations

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**Abstract:** In the present paper, we study an error estimate for finite volume methods for the stokes equations. The error is proven to be of order  $h$ , in  $H_0^1$ -norm discrete and in  $L^2$ -norm, where  $h$  represents the size of the mesh. The result is new even for the finite volume method.



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