Carlo Lovadina, Rolf Stenberg: *Energy norm a posteriori error estimates for mixed finite element methods*; Helsinki University of Technology Institute of Mathematics Research Reports A473 (2004).

Abstract: *The paper deals with the a-posteriori error analysis of mixed finite element methods for second order elliptic equations. It is shown that a reliable and efficient error estimator can be constructed using a postprocessed solution of the method. The analysis is performed in two different ways; under a saturation assumption and using a Helmholtz decomposition for vector fields.*

AMS subject classifications: 65N30

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