Abstract:
The work is devoted to a recent trend in a posteriori error estimation which is based on the concept of computational error control in terms of linear (goal-oriented) functionals in addition to the classical error control in global energy norms.

AMS subject classifications: 65N15, 65N30, 65N50

Keywords: a posteriori error estimation, quantity of interest, finite element method, differential equation of elliptic type, linear elasticity, superconvergence.

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