

**Stenberg, R.**

**On the postprocessing of mixed equilibrium finite element methods.** (English) [Zbl 0645.73033](#)  
Numerical techniques in continuum mechanics, Proc. 2nd GAMM-Semin., Kiel/Ger. 1986, Notes Numer. Fluid Mech. 16, 102-109 (1987).

[For the entire collection see [Zbl 0612.00018](#).]

(Author's summary.) We consider mixed equilibrium finite element methods for second order elliptic boundary value problems. A new postprocessing method for improving the original variables is introduced and analyzed.

Reviewer: [V.A.Kostova](#)

**MSC:**

- [74S05](#) Finite element methods applied to problems in solid mechanics
- [65N30](#) Finite element, Rayleigh-Ritz and Galerkin methods for boundary value problems involving PDEs
- [35J25](#) Boundary value problems for second-order elliptic equations

Cited in **1** Document

**Keywords:**

[linear elasticity equations](#); [homogeneous isotropic body](#); [plane strain](#); [clamped](#); [mixed equilibrium finite element methods](#); [postprocessing method](#)