

**Kwon, Yonghoon; Milner, Fabio A.**

**Some new  $L^\infty$ -error estimates for mixed finite element methods.** (English) Zbl 0624.65098  
Mat. Apl. Comput. 5, 249-264 (1986).

$L^\infty$ -error estimates of nearly optimal order and regularity are derived through the use of weighted  $L^2$ -norms for the solution of linear second order elliptic and parabolic problems using low-indexed mixed finite elements of Raviart-Thomas-Nedelec type.

**MSC:**

- [65N15](#) Error bounds for boundary value problems involving PDEs
- [65N30](#) Finite element, Rayleigh-Ritz and Galerkin methods for boundary value problems involving PDEs
- [35J25](#) Boundary value problems for second-order elliptic equations
- [35K20](#) Initial-boundary value problems for second-order parabolic equations

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**Keywords:**

error estimates; mixed finite elements