

**Ciarlet, Philippe G.**

**The finite element methods for elliptic problems. Repr., unabridged republ. of the orig. 1978.** (English) [Zbl 0999.65129](#)

*Classics in Applied Mathematics*. 40. Philadelphia, PA: SIAM. xxiv, 530 p. (2002).

Unabridged republication of the first edition (1978; [Zbl 0383.65058](#)).

**MSC:**

- [65N30](#) Finite element, Rayleigh-Ritz and Galerkin methods for boundary value problems involving PDEs
- [65-02](#) Research exposition (monographs, survey articles) pertaining to numerical analysis
- [35J25](#) Boundary value problems for second-order elliptic equations
- [35J40](#) Boundary value problems for higher-order elliptic equations
- [65N15](#) Error bounds for boundary value problems involving PDEs
- [74K15](#) Membranes
- [74K20](#) Plates
- [74S05](#) Finite element methods applied to problems in solid mechanics

Cited in <b>2</b> Reviews Cited in <b>402</b> Documents
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