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Numerical solution of boundary value problems for ordinary differential equations. (English)

Zbl 0843.65054

Classics in Applied Mathematics. 13. Philadelphia, PA: SIAM, Society for Industrial and Applied Mathematics. xxv, 595 p. (1995).

The first edition of this book was published in early 1988 by Prentice-Hall, see [Zbl 0671.65063](#). The authors pursued only a limited revision consisting of simply correcting small mistakes (mostly typographical). The path of limited revision is reflected in the list of references, which remains current only up to 1987.

Reviewer: [P.Chocholatý \(Bratislava\)](#)

MSC:

- [65L10](#) Numerical solution of boundary value problems involving ordinary differential equations
- [34Bxx](#) Boundary value problems for ordinary differential equations
- [34E15](#) Singular perturbations for ordinary differential equations
- [65-02](#) Research exposition (monographs, survey articles) pertaining to numerical analysis
- [65L12](#) Finite difference and finite volume methods for ordinary differential equations

Cited in **111** Documents

Keywords:

initial value methods; textbook; boundary value problems; finite difference methods; singular perturbation problem