

Fornberg, Bengt

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See the review of the original edition (1996; [Zbl 0844.65084](#)).

MSC:

- [65N35](#) Spectral, collocation and related methods for boundary value problems involving PDEs
- [65-02](#) Research exposition (monographs, survey articles) pertaining to numerical analysis
- [35L65](#) Hyperbolic conservation laws
- [35J65](#) Nonlinear boundary value problems for linear elliptic equations
- [65N06](#) Finite difference methods for boundary value problems involving PDEs
- [65M70](#) Spectral, collocation and related methods for initial value and initial-boundary value problems involving PDEs
- [65M06](#) Finite difference methods for initial value and initial-boundary value problems involving PDEs

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Keywords:

[pseudospectral methods](#); [practical guide](#); [finite difference methods](#); [fast Fourier transform](#)