

**Radder, A. C.**

**On the parabolic equation method for water-wave propagation.** (English) Zbl 0415.76012  
*J. Fluid Mech.* 95, 159-176 (1979).

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**MSC:**

- 76B15 Water waves, gravity waves; dispersion and scattering, nonlinear interaction Cited in 27 Documents
- 65N22 Numerical solution of discretized equations for boundary value problems involving PDEs
- 76M20 Finite difference methods applied to problems in fluid mechanics
- 31A99 Two-dimensional potential theory

**Keywords:**

parabolic equation method; reduced wave equation; complex two-dimensional potential function; local phase and group velocity; shoaling water; transmitted and reflected components; Crank-Nicolson finite-difference equation; bottom profile; surface waves

**Full Text:** [DOI](#)

**References:**

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