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**Nonlinear waves.** Transl. from Japanese prep. by Tosiya Taniuti and Alan Jeffrey. (English)

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Monographs and Studies in Mathematics, 15. Boston - London -Melbourne: Pitman Advanced Publishing Program. XIV, 258 p. £32.00 (1983).

For a scan of this review see the [web version](#).

**MSC:**

- 76B15 Water waves, gravity waves; dispersion and scattering, nonlinear interaction
- 76-02 Research exposition (monographs, survey articles) pertaining to fluid mechanics
- 35Q99 Partial differential equations of mathematical physics and other areas of application
- 76L05 Shock waves and blast waves in fluid mechanics
- 74Jxx Waves in solid mechanics
- 76B25 Solitary waves for incompressible inviscid fluids
- 35-02 Research exposition (monographs, survey articles) pertaining to partial differential equations
- 74-02 Research exposition (monographs, survey articles) pertaining to mechanics of deformable solids

Cited in **21** Documents

**Keywords:**

[nonlinear waves](#); [overtaking of waves](#); [weak dissipation](#); [asymptotic methods](#); [weakly and strongly dispersive](#); [selffocusing of waves](#); [three- wave interaction](#); [inverse scattering method](#); [initial value problem for nonlinear evolution equation](#)