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""Chapter 9. Existence of shocks in the long-wavelength limit""""9.1. A lattice model for weakly interacting pulses""; ""9.2. Proof of Theorem 9.2""; ""Chapter 10. Applications""; ""10.1. The FitzHugha€?Nagumo equation""; ""10.2. The weakly unstable Taylora€?Couette problem""; ""Bibliography""