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Sommario/riassunto	This book provides the reader with a progressive and complete insight into a vast field of nonlinear physics. While the introductory first chapter describes nonlinear dissipation structures at a general level in fluid mechanics as well as in other fields, the second chapter contains a summary of the derivation of basic equations, with emphasis on boundary conditions prevailing at interfaces. Chapter 3 is devoted to linear stability analyses and identification of basic instability modes. The weakly nonlinear theories are presented in Chapter 4 (monotonic instabilities), Chapter 5 (oscillatory instabilities) and Chapter 6 (multiple bifurcations). Finally, results on strongly nonlinear surface-tension-driven convection and transitions to inter facial turbulence are contained in Chapter 7.