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Nota di contenuto	Preliminary results -- Weak Nonlinearity -- Critical Nonconvective Equations -- Critical Convective Equations -- Subcritical Nonconvective Equations -- Subcritical Convective Equations.
Sommario/riassunto	Many of problems of the natural sciences lead to nonlinear partial differential equations. However, only a few of them have succeeded in being solved explicitly. Therefore different methods of qualitative analysis such as the asymptotic methods play a very important role. This is the first book in the world literature giving a systematic development of a general asymptotic theory for nonlinear partial differential equations with dissipation. Many typical well-known equations are considered as examples, such as: nonlinear heat equation, KdVB equation, nonlinear damped wave equation, Landau-Ginzburg equation, Sobolev type equations, systems of equations of Boussinesq, Navier-Stokes and others.