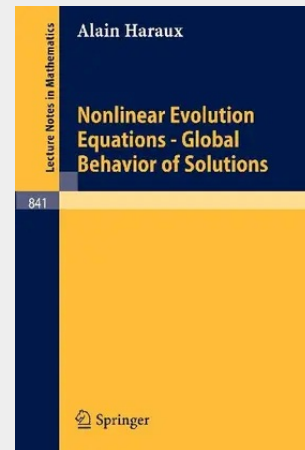


Nonlinear Evolution Equations - Global Behavior of Solutions

Generalities and local theory.- The global existence problem.- Theory of monotone operators and applications.- Smoothing effect for some nonlinear evolution equations.- Schrödinger and wave equations with a logarithmic nonlinearity.- The linear case: Hilbertian theory and applications.- Some nonlinear monotone cases.- Some nonlinear, non monotone cases.- Autonomous dissipative systems.- General results for quasi-autonomous periodic systems.- More on asymptotic behavior for solutions of the nonlinear dissipative forced wave equation.- Boundedness of trajectories for quasi-autonomous dissipative systems.- Almost-periodic quasi-autonomous dissipative systems in a Hilbert space.

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