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Radu Precup. *The Nonlinear Schrödinger Equation via Fixed Point Principles.*

Starting with the existence and uniqueness result for the non-homogenous Schrödinger equation with the source term in $H^{-1}(\Omega)$, we present existence results for the nonlinear perturbed Schrödinger equation via Banach, Schauder and Leray-Schauder principles.

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