

# On the Problem of Dynamical Localization in the Nonlinear Schrödinger Equation with a Random Potential

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**Abstract** We prove a dynamical localization in the nonlinear Schrödinger equation with a random potential for times of the order of  $O(\beta^{-2})$ , where  $\beta$  is the strength of the nonlinearity.

**Keywords** Anderson localization · NLSE · Random potential · Nonlinear Schrödinger · Dynamical localization

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