Nonlocal Choquard-type equations in dimension 2

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We are concerned with existence and concentration of ground state solutions to nonlocal Schrödinger equations, sometimes called Choquard-type equations, in $\mathbb{R}^2$. We consider the case in which the nonlinearity exhibits exponential critical growth with respect to the Trudinger-Moser inequality. The case of a logarithmic kernel is also considered.

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