

NOTE ON SOME FRACTIONAL BI-INHOMOGENEOUS SCHRODINGER-CHOQUARD EQUATIONS

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Abstract

In the subcritical energy case, local well-posedness is established in the radial energy space for a class of fractional inhomogeneous Choquard equations. The best constant of a Gagliardo-Nirenberg type inequality is obtained. Moreover, a sharp threshold of global existence versus blow-up dichotomy is obtained for mass super-critical and energy subcritical solutions.

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