Sign-changing solutions for the nonlinear Schrödinger equation with generalized Chern-Simons gauge theory

Liejun Shen¹

¹Hubei Key Laboratory of Mathematical Sciences and School of Mathematics and Statistics, Central China Normal University

May 5, 2020

Abstract

We study the existence and asymptotic behavior of least energy sign-changing solutions for the nonlinear Schr\"{o}dinger equation coupled with the Chern-Simons gauge theory $[\left|\left|\frac{1}{1}\right|\right|^{1} \left|\left|\frac{1}{1}\right|^{1}\right|^{1} \left|\frac{1}{1}\right|^{1} \left|$

Hosted file

Shen-2020-01.pdf available at https://authorea.com/users/294133/articles/422301-sign-changing-solutions-for-the-nonlinear-schr%C3%B6dinger-equation-with-generalized-chern-simons-gauge-theory