Globalwell-posednessoftheenergy-criticalcomplex Ginzburg-Landauequations

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摘要： We investigate the global well-posedness of the energy-critical complex Ginzburg-Landau equations on the Euclidean spaces and also on the exterior domains. First, we show the global well-posedness of the complex Ginzburg-Landau equations when the energy of the initial data is less than or equal to the threshold. Subsequently, we show our recent work on the global well-posedness of the complex Ginzburg-Landau equations on exterior domains. This is a joint work with Chang-Yu Guo and Yunrui Zheng.

个人简介： 程星，河海大学副教授，博士生导师，在Analysis & PDE, Revista Matemática Iberoamericana, SIAM Journal on Mathematical Analysis等发表论文十余篇，主要从事非线性色散方程的整体适定性与散射理论、分数阶偏微分方程的反问题。