北京理工大學

数学与统计学院学术报告

Asymptotic behavior of the solution to a kind of complex Ginzburg-Landau equation on Riemannian manifolds

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摘　要： In We investigate the well-posedness and asymptotic behavior of the solution to a kind of energy-critical/energy-subcritical complex Ginzburg-Landau equation. We show the existence of global solution to the energy-critical/energy-subcritical complex Ginzburg-Landau equation on some Riemannian manifolds such as hyperbolic space, asymptotically flat space, and also compact Riemannian manifolds. We also give the asymptotic behavior of the solution to the complex Ginzburg-Landau equation on the Riemannian manifolds. This is based on several joint works with Z. Lyu, C. Miao, C. Sun, J. Zheng, and Y. Zheng

个人简介： 程星，河海大学副教授，博士生导师，在 A&PDE, CMP, JMPA, Rev. Mat. Iberoam., CVPDE等发表论文二十余篇，主要从事非线性色散方程的整体适定性与散射理论以及爆破解的构造、分数阶偏微分方程的反问题。

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