学术报告

The nonlinear modulational instability of the Stokes waves in 2d water waves

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摘要： The Stokes waves are periodic symmetric steady water waves travelling at a constant speed, which plays a fundamental role in the study of water waves. It was observed by Benjamin and Feir in 1967 that the Stokes waves are subject to the modulational instability. However, the rigorous mathematical proof was missing for a long time. In this talk, we will discuss how to prove the nonlinear modulational instability of the Stokes waves in the context of 2d full water waves. This is joint work with Gong Chen.

个人简介： 苏庆堂，中科院晨兴数学所助理研究员，于2019年在美国密歇根大学获得博士学位，师从著名华人数学家邬似珏教授，2019年至2022年在美国南加州大学从事博士后工作，其在ARMA,CMP等国际权威学术期刊上以独立作者身份发表多篇成果。

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