Bernoullis Tafelrunde

Graduate Student Seminar

Thursday, 27 April 2017, 12:05-12:50
Seminarraum 00.003, Spiegelgasse 1

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Blowup for NLS

Abstract

In this talk, let us focus on some known results concerning the question of blowup (singularity formation) of solutions to the nonlinear Schrödinger equation (NLS). We will give sufficient conditions for blowup in finite time based on the variance-virial identity and the conservation laws for NLS.