



DK Seminar

November 9, 2016, 14:15 - 15:30

University of Vienna (UniVie): Oskar-Morgenstern-Platz 1, Hörsaal 2,
ground floor.

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Zakharov-Rubenchik/Benney-Roskes system on the background of a line soliton

Abstract: In order to study the transverse (in) stability of a line soliton, we consider the 2-d Zakharov-Rubenchik/Benney-Roskes system with initial data localized by a line soliton. The new terms in perturbed system lead to some difficulties, for example, the lack of mass conservation. In this talk, I will present our recent work on this problem. This is a joint work with Norbert Mauser and Jean-Claude Saut.