

1132-35-344

**Luiz Gustavo Farah, Justin Holmer and Svetlana Roudenko\*** (roudenko@gwu.edu),

Department of Mathematics, The George Washington University, Washington, DC 20052.

*Instability of solitons in Zakharov-Kuznetsov equation.* Preliminary report.

We revisit the instability of solitons in the critical generalized Korteweg-de Vries (gKdV) equation, and investigate a similar phenomenon in Zakharov-Kuznetsov equation, a higher dimensional generalizations of the gKdV equation. (Received July 25, 2017)