

ANALYSIS SEMINAR

On long time behavior of solutions of the Schrödinger-Korteweg-de Vries system.

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Time: 10:00 am

On-line at Zoom

Abstract. In this lecture we will be concerned with the decay of long time solutions of the initial value problem associated with the Schrödinger-Korteweg-de Vries system. We use recent techniques in order to show that solutions of this system decay to zero in the energy space. Our result is independent of the integrability of the equations involved and it does not require any size assumptions.