

ON SOLUTIONS TO INTERACTION EQUATIONS FOR SHORT AND LONG
DISPERSIVE WAVES.

ABSTRACT. In this lecture we will describe recent results concerning asymptotic behavior of solutions to a system of nonlinear dispersive equations called Schrödinger-Korteweg-de Vries (S-KdV) system. This system is a model depicting the interaction of long and short waves and has been studied in several fields of physics and fluid dynamics.

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