Bounded Wave Solutions of KdV-Burgers-type Equations

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Abstract： In this talk, we consider dynamics of a class of the KdV-Burgers-type systems by starting with Burgers-type equations, and then focus on the higher-order KdV-Burgers equation, a partial differential equation that occupies a prominent position in describing some physical processes in motion of turbulence and other unstable process systems. We limit our attention to various bounded wave solutions and their asymptotic behaviors.

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