Periodic Solutions to KdV-Burgers-Kuramoto Equation

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Abstract: In this paper, a new special ansatz solution, where elliptic equation satisfied by elliptic functions is taken as an intermediate transformation, is applied to solve the KdV-Burgers-Kuramoto equation, and many more new periodic solutions are obtained, including solutions expressed in terms of Jacobi elliptic functions, solution expressed in terms of Weierstrass elliptic function.

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