

Non-Travelling Wave Solutions of the (2+1)-Dimensional Dispersive Long Wave System

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With the aid of symbolic computation and the extended F-expansion method, we construct more general types of exact non-travelling wave solutions of the (2+1)-dimensional dispersive long wave system. These solutions include single and combined Jacobi elliptic function solutions, rational solutions, hyperbolic function solutions, and trigonometric function solutions.

Key words: Extended F-Expansion Method; Exact Solutions; (2+1)-Dimensional Dispersive Long Wave System; Soliton-Like Solution; Jacobi Elliptic Function Solutions.

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