

Exact Periodic-Wave Solutions for (2+1)-Dimensional Boussinesq Equation and (3+1)-Dimensional KP Equation

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Abstract: The (2+1)-dimensional Boussinesq equation and (3+1)-dimensional KP equation are studied by using the extended Jacobi elliptic-function method. The exact periodic-wave solutions for the two equations are obtained.

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Key words: Jacobi elliptic-function method, (2+1)-dimensional Boussinesq equation, (3+1)-dimensional KP equation, periodic-wave solutions

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