

## Envelope Periodic Solutions to Coupled Nonlinear Equations

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**Abstract:** The envelope periodic solutions to some nonlinear coupled equations are obtained by means of the Jacobi elliptic function expansion method. And these envelope periodic solutions obtained by this method can degenerate to the envelope shock wave solutions and/or the envelope solitary wave solutions.

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**Key words:** Jacobi elliptic function, nonlinear coupled equations, envelope periodic solution

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