

## Possible Linear Superpositions for Special Solutions of the Fifth-Order KdV-Type Equations

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Abstract: Using Lou and Ni's deformation and mapping idea in nonlinear equations to a set of fifth order KdV type equations, it is found that some types of solitary wave solutions and periodic solutions with special velocities can be linearly superposed to new exact solutions.

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Key words: deforming method, superposition, nonlinear equation

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