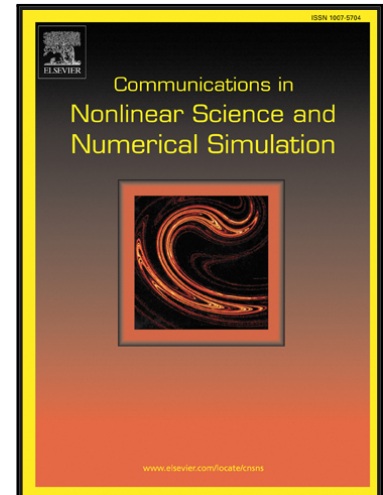


## Accepted Manuscript

On Lie symmetries and invariant solutions of (2+1)–dimensional Gardner equation

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**Highlights**

- Classification of Lie symmetries for the Gardner equation.
- Similarity transformation method is applied to obtain invariant solutions.
- Numerical simulation is performed to analyze the solutions graphically.
- The solutions show multisoliton, compacton, negaton, positon and kink wave nature.

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