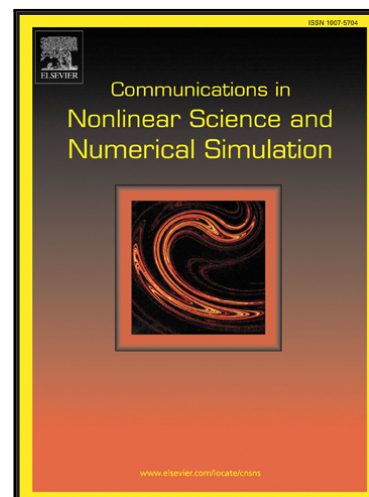


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On the analytical expression of the multicomponent and some exact compact solutions of a nonlinear diffusive Burgers' type equation

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Highlights

- The exact solutions to the nonlinear diffusive Burgers' type equation are investigated
- The Possibility for the nonlinear transmission line to exhibit multicom-pacton is investigated.
- We shown that the velocity of the compact pulse doesn't depend explicitly on the amplitude but rather on the dc-component associated to the analytical expression of this wave.

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