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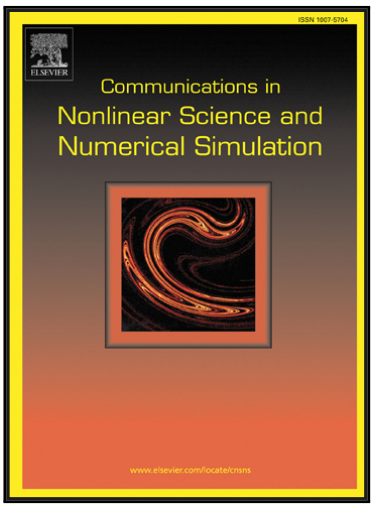

Generalized Differential Transform Method for Nonlinear Boundary Value Problem of Fractional Order

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Highlights:

- Linear and nonlinear fractional differential equations (FDEs) with boundary conditions (BCs) are studied;
- The Generalized Differential Transform method is extended to derive the solution of FDEs with BCs;
- Comparison with other existing numerical techniques and corresponding exact solution is reported;
- Results show the effectiveness and accuracy of the proposed procedure.

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