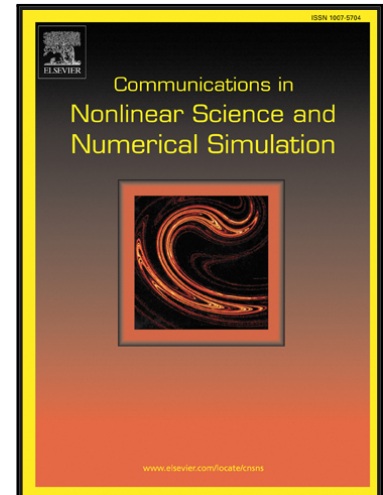


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Population dynamics in educational institutions considering the student satisfaction

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Highlights

- The dynamics of the number of students in an educational institution is modeled.
- In this model, the institutional quality perceived by the students is considered.
- The model is analyzed for two kinds of student influx.
- Transcritical and period-doubling bifurcations can occur.
- The analytical and numerical results are discussed from a management point of view.

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