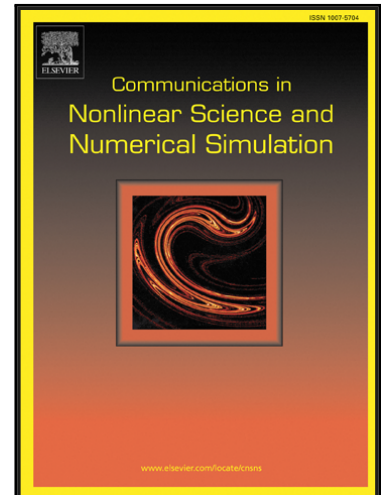


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Nonlinear Dynamics of a Circular Piezoelectric Plate for Vibratory Energy Harvesting

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Highlights

- A nonlinear circular plate harvester with the proof mass is proposed.
- Both soft and hard characteristics occur under lager excitation.
- A fifth order polynomial is used to approximate the restoring force.
- Nonlinear lump parameter model can predict the experimental phenomena.

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