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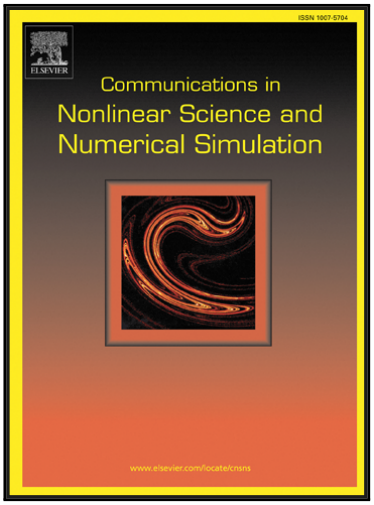

Bifurcation & Chaos in Nonlinear Structural Dynamics: Novel & Highly Efficient Optimal-Feedback Accelerated Picard Iteration Algorithms

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Highlights

- An Optimal Error-Feedback Accelerated Picard Iteration is brought up in this paper.
- The OFAPI-2,3 algorithms avoid inverting the tangent stiffness matrix.
- The OFAPI algorithms are much superior to the mostly used finite difference methods.
- Bifurcation route to chaos in the vibration of a buckled beam is investigated.

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