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A hybrid solution for analyzing nonlinear dynamics of electrostatically-actuated microcantilevers

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Highlights

- A hybrid solution for nonlinear dynamics of microcantilevers has been introduced
- The pure odd-order nonlinear model combined with a distributed parameter system.
- A comprehensive model for MEMS before, during and after switching was presented
- Two distinct model for before pull-in and after pull-in regimes are combined

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