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Analytical study of electromechanical buckling of a micro spherical elastic film on a compliant substrate Part II: Postbuckling analysis

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Highlights

- The electromechanical postbuckling analysis of a spherical elastic film is presented.
- The preferred buckling pattern can be controlled by determining geometrical parameters.
- The effect of nonlinear stiffness of the elastic compliant substrate is studied.
- The total potential energy method is used for analyzing the electromechanical postbuckling analysis.

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