Field equations and general solution for axisymmetric thick shell composed of functionally graded incompressible hyperelastic materials

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Highlights

- Field equations of axisymmetric FG incompressible hyperelastic shell are presented
- The solution is applied to find stress components in general form.
- Both curvilinear and Cartesian coordinates are used to find general solution.
- Proposed power law strain energy function is used to find stress components.
- Effect of material inhomogeneity and structural parameter has been investigated.