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Nonlinear Finite Element Solutions of Thermoelastic Deflection and Stress Responses of Internally Damaged Curved Panel Structure

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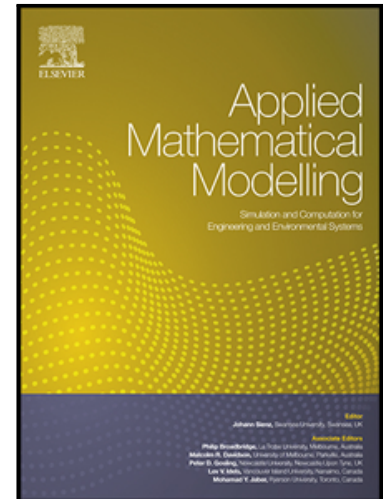
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Highlight

- A novel numerical model is developed to study the deflection and stress values of the pre-damaged composite structure.
- The internal damage has been modeled via sub-laminate approach including two kinematic theories.
- The nonlinear FEM solutions are obtained under the combined thermomechanical loading.
- The numerical solutions (deflection and stress) are evaluated for different panel geometries via the derived models.

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