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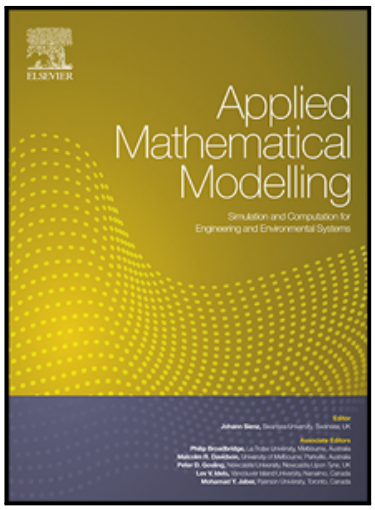

Behavior characterization of visco-hyperelastic models for rubber-like materials using genetic algorithms

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Highlights

- A nonlinear visco-hyperelastic model is numerically studied.
- Genetic algorithms are employed to fully characterize the material.
- Single and Multi objectives versions are considered.
- A benchmarking analysis is performed using a known solution.
- Uniaxial, biaxial and shear tests are designed to compare the proposed candidates.

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