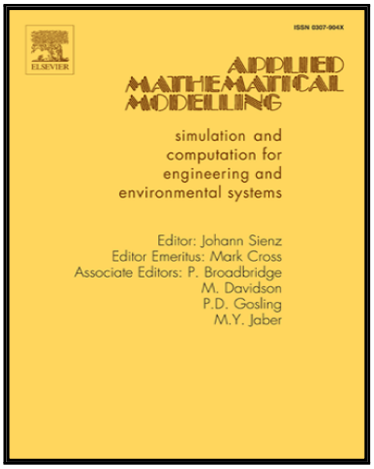

Thermal buckling and post-buckling analysis of functionally graded beams based on a general higher-order shear deformation theory

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Highlights

- Thermal buckling analysis of FGM beams by various theories are presented.
- A two-step perturbation method is employed to determine the critical buckling loads and post-buckling equilibrium paths.
- The post-buckling equilibrium path for FGM beam with two clamped ends is also of the bifurcation type for any various displacement fields.