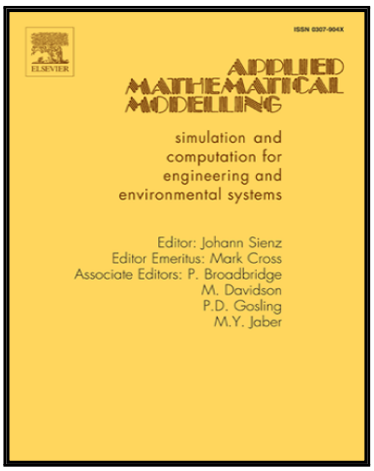

Imperfection sensitivity of thermal post-buckling behaviour of functionally graded carbon nanotube-reinforced composite beams

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Highlights

- Thermal postbuckling of temperature-dependent FG-CNTRC beams is investigated;
- Various possible imperfection is considered by using a generic imperfection model;
- Sensitivity of thermal postbuckling behaviour to various imperfections is discussed;
- Thermal postbuckling path is sensitive to imperfection shape, location, and amplitude.
- Imperfect FG-CNTRC beams do not exhibit bifurcation-type thermal postbuckling.