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Thermal buckling analysis of point-supported laminated composite plates in unilateral contact

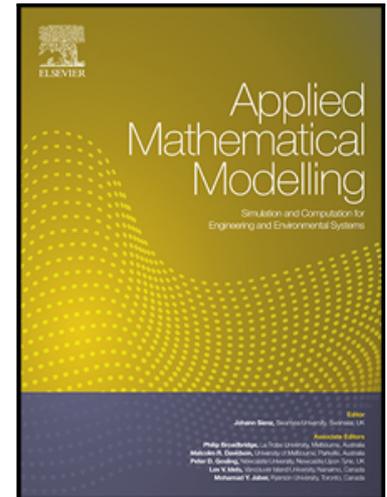
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Highlights

- Bilateral and unilateral thermal buckling analysis of rhombic and rectangular plates is performed.
- Point supports are modeled in the form of circular surfaces by using the Lagrange multiplier technique.
- The effect of fiber orientation, aspect ratio and number of point supports is investigated.
- By increasing the number of point supports, the critical load may decrease or increase.
- Difference between the results of bilateral and unilateral thermal buckling increases for longer plates.

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