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Niching particle swarm optimization techniques for multimodal buckling maximization of composite laminates

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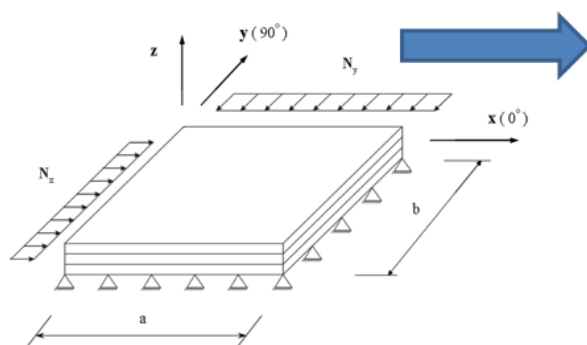
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Graphical Abstract



Multimodal buckling maximization of composite panels

- 7 global optima with the critical buckling load factor 3973.014
- 15 global sub-optima with the critical buckling load factor 3972.996

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