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Thermoelastic instability of functionally graded coating with arbitrarily varying properties considering contact resistance and frictional heat

Jia-Jia Mao , Liao-Liang Ke , Jie Yang , Sritawat Kitipornchai , Yue-Sheng Wang

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Highlights

- Stability boundaries grow with the increasing gradient index of the FGM coating.
- Stability boundaries grow with the decreasing thermal contact resistance and friction coefficient.
- An appropriate gradient type of the FGM coating can adjust the TEI of sliding systems.

1

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