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On the Inertio-Elastic Instability of Variable-Thickness Functionally-Graded Disks

Sefa Yildirim , Naki Tutuncu

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Highlights

- Instability analysis of functionally-graded non-uniform disk is performed.
- Actual centrifugal force with radial displacement is considered.
- Material is assumed to be functionally-graded in the radial direction with the continuous grading function.
- A novel approach, Complementary Functions Method, is employed as the solution scheme.

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