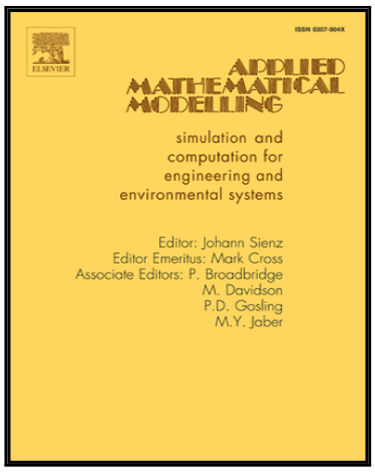

Flexural and torsional free vibrations of horizontally curved beams on Pasternak foundations

Joon Kyu Lee , Sangseom Jeong

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Highlights

- Free vibrations of non-circular curved beams on Pasternak foundations are studied.
- Circular, parabolic, sinusoidal and elliptical beams are considered.
- The governing equations of the motion are derived and numerically solved.
- Physical model tests are performed to validate the proposed mathematical model.