Free and forced vibration analysis of non-uniformly supported cylindrical shells through wave based method

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Highlights

- A more comprehensive method for vibration analysis of point supported cylindrical shells.
- Wave functions, rather than general polynomials, are adopted as admissible functions.
- Both point and line supports are uniformly dealt by discrete artificial springs.
- High accuracy and wide application of wave based method (WBM) are demonstrated.
- Fundamental frequency can be maximumly increased as point supports equally spaced.