

## Accepted Manuscript

Title: Effect of loosely bonded undulated boundary surfaces of doubly layered half-space on the propagation of torsional wave

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**Highlights:**

- Torsional wave propagation in corrugated layers with loosely bonded interfaces
- Effect of corrugation and loose bonding on the phase velocity of torsional wave
- Influence of internal friction on the phase velocity of torsional wave
- Comparative study of presence and absence of affecting parameters through graphs

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