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Wave propagation of embedded viscoelastic FG-CNT-reinforced sandwich plates integrated with sensor and actuator based on refined Zigzag theory

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Highlights

- Wave propagation in a viscoelastic piezoelectric sandwich plate is studied.
- The core is comprised of FG-CNT-reinforced laminas.
- The piezoelectric layers play the role of actuator and sensor.
- The refined piezoelectricity zig-zag theory is used.
- A PD controller is employed to control the phase velocity in the structure.

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