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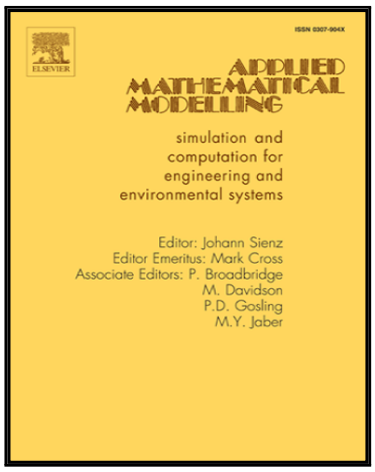

Effect of micro-inertia in the propagation of waves in micropolar thermoelastic materials with voids

S.S. Singh, R. Lianngenga

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Highlights

- Effect of micro-inertia in the wave propagation is proposed.
- Reflections take place for incident coupled longitudinal and coupled shear waves.
- Amplitude and energy ratios are obtained analytically and numerically.
- The effect for incident shear wave is more than that of incident longitudinal wave.

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