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Time-dependent behavior of axisymmetric thermal consolidation for multilayered transversely isotropic poroelastic material

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## Highlights

- Axisymmetric thermal consolidation for transversely isotropic material is investigated.
- An extended precise integration model is built in the transformed domain.
- The actual solution is obtained by inverting the Laplace-Hankel transform.
- The effects of material properties and the stratification on time-dependent behavior are discussed.

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