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Dynamic Green's functions for a liquid layer overlying a transversely isotropic solid half-space due to an arbitrary source excitation within the liquid

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Highlights

- Dynamic response of an anisotropic solid underlying a liquid layer is studied.
- The formulation is developed for any kind of axisymmetric excitations.
- Green's functions for point and disc sources are especially considered.
- Light is shed on the roles of the layer thickness, bed material, and source depth.
- Simpler cases are studied as special cases of the main problem.

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