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Rate of consolidation of stone column-improved ground considering change in permeability and compressibility during consolidation

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**Highlights**

- Mathematical formulation is developed for rate of radial consolidation.
- Stone column-improved ground is considered.
- Variation of soil permeability and compressibility during consolidation are considered.
- Parabolic variation of permeability and compressibility within smear zone are considered.
- Effect of various parameters is studied.

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