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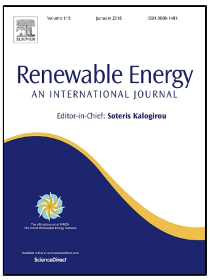

Hydraulic and thermogeological design differences between two-loop vertical and inclined coaxial borehole heat exchangers

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Highlights:

- ✓ Paper focuses on modelling difference between vertical 2U and inclined coaxial borehole heat exchangers
- ✓ Hydraulic modelling was carried out for three typical variants of 2U and coaxial exchangers related to pressure drop, rheology, different glycol solutions and equivalent borehole resistances
- ✓ Steady-State Thermal Response Step Test (SS-TRST) novel approach was introduced to analyse BHE capacity and thermal resistance during long term operation for 2U and coaxial heat exchanger
- ✓ Case study on two real project was performed performing extended thermal response tesing

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