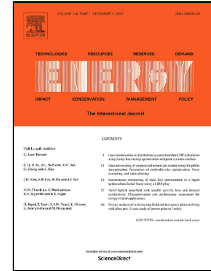


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Absorption heat exchangers for long-distance heat transportation

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Highlights

1. A novel system for long-distance heat transportation that uses AHEs is introduced.
2. The AHEs system doubles the Transported Temperature Difference (TTD).
3. The function of AHEs is to convert heat with small TTD into large TTD or reversed.
4. The Minimal Economic Distance (MED) is conducted by initial costs balance.
5. The AHEs system is better when the transportation distance is longer than the MED.

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