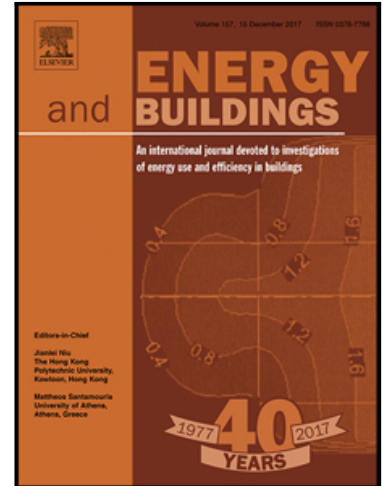


Accepted Manuscript

Dynamic heat transfer characteristics of wall implanted with heat pipes in summer

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PII: S0378-7788(18)30328-1
DOI: [10.1016/j.enbuild.2018.03.071](https://doi.org/10.1016/j.enbuild.2018.03.071)
Reference: ENB 8457



To appear in: *Energy & Buildings*

Received date: 26 January 2018
Revised date: 26 March 2018
Accepted date: 30 March 2018

Please cite this article as: Zengrui Li , Zhigang Zhang , Dynamic heat transfer characteristics of wall implanted with heat pipes in summer, *Energy & Buildings* (2018), doi: [10.1016/j.enbuild.2018.03.071](https://doi.org/10.1016/j.enbuild.2018.03.071)

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Highlights

- A new type of passive natural energy utilization technology, the wall implanted with heat pipes, was put forward.
- A dynamic heat transfer model is established for the north WIHP in summer months
- Heat transfer characteristics of the north WIHP were studied in summer.
- Compared with the ordinary wall, the north WIHP improves the capacity of heat transfer, effectively reduce the indoor temperature in summer
- The decrement factor and time lags of the ordinary wall and the WIHP are studied

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