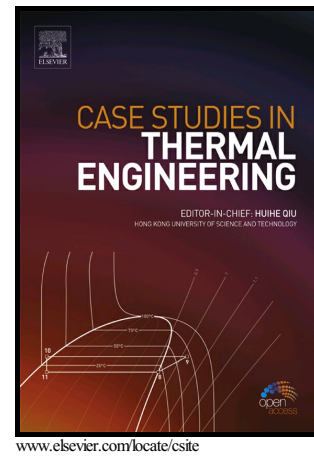


## Author's Accepted Manuscript

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PII: S2214-157X(17)30091-6  
DOI: <https://doi.org/10.1016/j.csite.2018.01.007>  
Reference: CSITE254

To appear in: *Case Studies in Thermal Engineering*

Received date: 23 April 2017  
Revised date: 23 January 2018  
Accepted date: 24 January 2018

Cite this article as: Meriem Lebied, Friedrich Sick, Zakaria Choulli and Abdelmajid El Bouardi, Improving the passive building energy efficiency through numerical simulation – A case study for Tetouan climate in northern of Morocco, *Case Studies in Thermal Engineering*, <https://doi.org/10.1016/j.csite.2018.01.007>

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# Improving the passive building energy efficiency through numerical simulation – A case study for Tetouan climate in northern of Morocco

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## ABSTRACT

Nowadays the construction in Morocco is poorly adapted to the climatic conditions of the country. This contributes to the increase of electricity demand by 7% annually. The Department of Energy is interested in introducing sustainable construction for large construction programs in Morocco. Especially as there is a large demand for new buildings and then the general goal is to build them energetically more efficient than in today's practice. To reach the said goal, energy demand of the building shall be minimized without trading off the environmental comfort for living. In this study, an

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