

THE EFFECT OF ROOF HEIGHT TO THE FLOW IN SOLAR CHIMNEY

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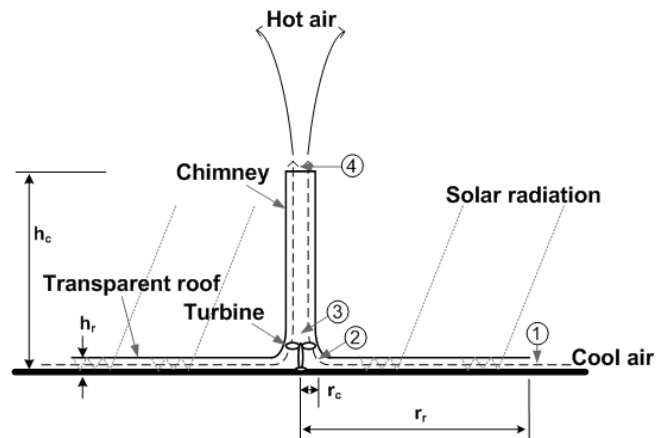
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Abstract

To numerically determine the effect of roof height to the flow in solar chimney, which is the electricity generator from solar energy.

Methods

CFX, a computational fluid dynamics (CFD) commercial code, has been proved that it is the effective tool to simulate the flow characteristic in a solar chimney (1). Therefore the study uses CFX as the simulation tool to determine the effect of roof height



Key words: Dimensional analysis, Natural convection, Solar chimney modeling, Solar energy

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