

# ASPECTS REGARDING THE ANALYTICAL MODELLING OF THE CONVERSION PROCESSES OF SOLAR ENERGY INTO THERMAL ENERGY

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**Abstract:** *The paper presents several theoretical aspects regarding the modeling of the quantities which are properties of the materials used in the solar collector's construction. The absorptivity, emittivity and reflectivity are properties of the material which are influencing the collector's efficiency.*

**Key words:** *renewable, solar collectors, solar-thermal conversion, efficiency.*