ON THE ORIENTATION OF SOLAR COLLECTORS

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ABSTRACT
The performance of any solar energy system depends very much on the availability of solar radiation and the orientation of solar collectors. Solar collectors need to be inclined at the optimum angle to maximize the receiving energy. In this work, we proposed to analyze the optimum tilt angle for compound parabolic collectors CPC with different concentration ratios. There are analyzed the energy gains when the collector keeps the same position during the whole year and when the collector changes its tilt twice a year, in summer and in winter.

REFERENCES