

Conceptual design of a hybrid thermal and photovoltaic receiver of an FMDF collector

ABSTRACT

The optical characteristic of a Fixed Mirror Distributed Focus (FMDF) solar collector is used as a basis for the design of an hybrid thermal and photovoltaic (PV) receiver. The result provides another variation in energy conversion that an FMDF solar collector can conveniently perform.

Keyword: Fixed Mirror Distributed Focus (FMDF) solar collector; Optical characteristic; Hybrid thermal; Photovoltaic (PV) receiver