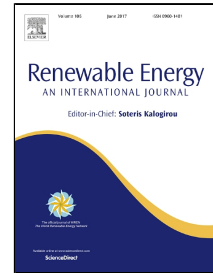


# Accepted Manuscript

A novel 2-stage dish concentrator with improved optical performance for concentrating solar power plants

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- A novel 2-stage 4-mirror dish concentrator is proposed.
- Overlapping method is used for mirror optimization.
- High concentration ratio and intercept factor was achieved with the new design.
- The new concentrator has a compact mirror design and reduces receiver size.

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