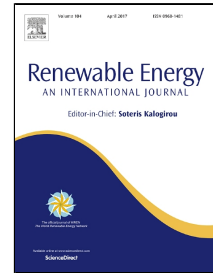


# Accepted Manuscript

Mathematical modeling of the geometrical sizing and thermal performance of a Dish/Stirling system for power generation



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## Highlights (for review)

- Mathematical modeling of a Dish/Stirling system integrating different calculation methodologies proposed by other authors.
- Numerical simulation of the Dish/Stirling system by varying the opto-geometric parameters to find the condition of maximum performance and maximum power generated.
- Thermal balance analysis, to evaluate how thermal losses affect the output operating conditions.
- Model validation Dish/Stirling with real technologies presented in the specialized publications.

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