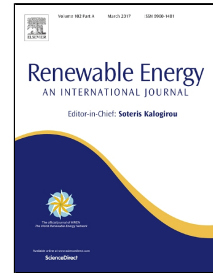


# Accepted Manuscript

Design and Optimization of a High-Temperature Cavity Receiver for a Solar Energy Cascade Utilization System

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- Comprehensive heat transfer analysis of solar receiver cavity
- Local maximum thermal efficiency achieved with minimum receiver aperture
- Local maximum thermal efficiency achieved with minimum cavity diameter
- Global maximum thermal efficiency achieved with specific number of helical coils

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