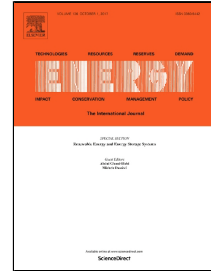


Accepted Manuscript

A thermal model to predict the dynamic performances of parabolic trough lines

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PII: S0360-5442(17)31584-0
DOI: 10.1016/j.energy.2017.09.063
Reference: EGY 11557
To appear in: *Energy*
Received Date: 28 March 2017
Revised Date: 29 August 2017
Accepted Date: 16 September 2017

Please cite this article as: T. Fasquelle, Q. Falcoz, P. Neveu, F. Lecat, G. Flamant, A thermal model to predict the dynamic performances of parabolic trough lines, *Energy* (2017), doi: 10.1016/j.energy.2017.09.063

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- A 12 meter long parabolic trough collector has been thermally and optically qualified.
- A 1D thermal model was validated with experimental data from steady-state tests
- Thermal model showed robustness during transients
- Errors lower than 3.4% were found for steady-state tests
- Relative standard errors lower than 9.6% were found for dynamic tests

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