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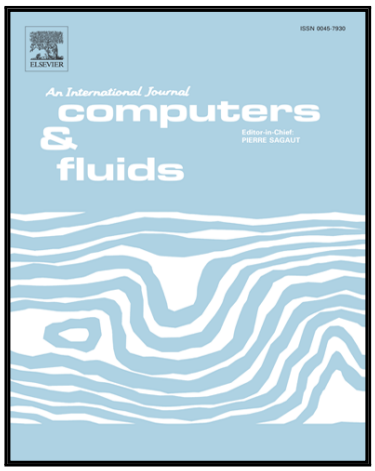

Entropy generation concept for a turbulent plane jet with variable density

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PII: S0045-7930(17)30002-6
DOI: 10.1016/j.compfluid.2017.01.003
Reference: CAF 3369

To appear in: *Computers and Fluids*

Received date: 6 October 2016
Revised date: 20 December 2016
Accepted date: 1 January 2017

Please cite this article as: Amel Elkaroui , Mohamed Hichem Gazzah , Nejla Mahjoub Saïd , Philippe Bournot , Georges Le Palec , Entropy generation concept for a turbulent plane jet with variable density, *Computers and Fluids* (2017), doi: 10.1016/j.compfluid.2017.01.003

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Highlights :

- The effect of fluid density of a plane jet on the entropy generation is studied.
- Numerical results are found to be in good agreement with experimental data.
- High entropy generation corresponds to the higher inlet hot jet temperature.
- The entropy generation rate grows progressively to reach an asymptotic value.

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