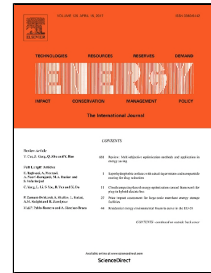


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A one-dimensional unsteady performance model for turbocharger turbines

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Highlights

- A one-dimensional unsteady model of turbocharger turbines is presented.
- A flow exiting term is included in the volute model considering volute curvature.
- The distribution of flow parameters inside the turbine volute could be predicted.
- The circumferential non-uniformity at rotor inlet could be preserved.

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