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The generation of turbulent inflow boundary conditions using precursor channel flow simulations

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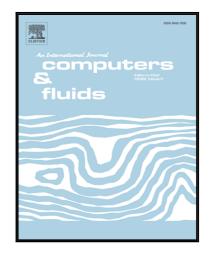
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#### ACCEPTED MANUSCRIPT

### Highlights

- A complete procedure using channel flow for inflow generation is proposed.
- The procedure has several potential advantages over state-of-the art methods.
- Method assessed with respect to practical data handling, and predictive accuracy.
- Evaluated by WRLES of a TBL, and comparison with performance of a recycling method.
- The adaption length of the generated TBL is investigated in detail.

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