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Parallel Evaluation of Quantum Algorithms for Computational Fluid Dynamics

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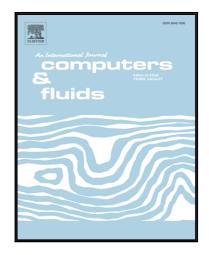
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#### ACCEPTED MANUSCRIPT

### Highlights

- Demonstration of the use of quantum circuits within computational fluid dynamics methods
- The simulation of quantum algorithms on parallel classical computers is investigated
- A hybrid quantum/classical algorithm for incompressible Navier-Stokes equation is introduced

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