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Retrospective cost adaptive Reynolds-averaged Navier-Stokes k - ω model for data-driven unsteady turbulent simulations

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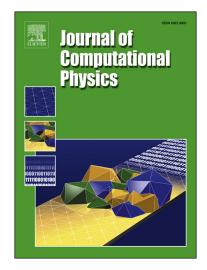
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Highlights

- Retrospective cost adaptation is applied to adjust the coefficients of a RANS model.
 The model is verified by used on two unsteady test cases.
- Results demonstrate that the coefficients can be updated to match experimental data.
- The model improves results when compared to the original RANS model.

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