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A high-order flux reconstruction/correction procedure via reconstruction formulation for unsteady incompressible flow on unstructured moving grids

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Highlights

- A high-order FR/CPR method is developed for incompressible flow on moving grids.
- Geometric conservation law is implicitly enforced for moving grid simulation.
- LUSGS is used to accelerate dual time stepping for unsteady flow simulation.
- Convergence properties of the incompressible flow solver are verified.
- Several vortex-dominated flows over moving curved boundaries are simulated.

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