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A Reconstructed Direct Discontinuous Galerkin Method for Simulating the Compressible Laminar and Turbulent Flows on Hybrid Grids

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Highlights:

- A hybrid reconstructed discontinuous Galerkin method is evaluated for compressible flows
- A direct discontinuous method is used for discretizing the viscous fluxes
- Exact Jacobian is derived and used in the implicit temporal discretization

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