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Isogeometric divergence-conforming variational multiscale formulation of incompressible turbulent flows

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Highlights (for review)

- A new divergence-conforming RBVMS is proposed
- Pressure fine scales are eliminated due to the projector choice
- Velocity fine scales are designed to satisfy the zero-divergence condition
- Optimal convergence is achieved for laminar-flow examples
- Excellent accuracy is demonstrated on turbulent-flow examples

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