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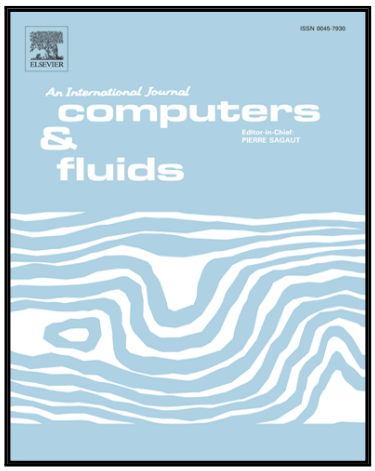


# Decoupling schemes for predicting compressible fluid flows

Petr N. Vabishchevich

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**Highlights**

- Simulation of fluid flows is performed using the fully implicit twolevel scheme.
- Numerical implementation is based on Newtons method.
- Increasing of the time step results in the monotonization of the numerical solution.
- The linearized decoupling scheme is robust.

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