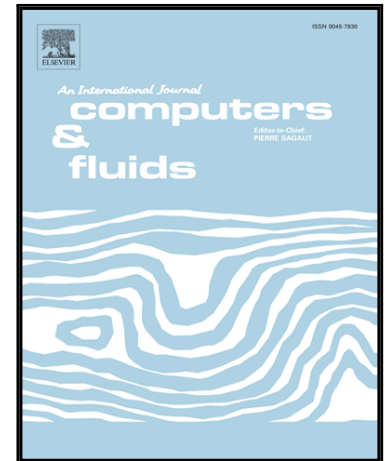


Consistent Second-Order Time-Accurate Non-Iterative PISO Algorithm

Željko Tuković, Milovan Perić, Hrvoje Jasak

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Highlights

- A new variant of the non-iterative PISO-algorithm for the solution of implicitly discretised fluid flow equations is proposed.
- A new consistent Rhie-Chow interpolation for the computation of mass fluxes on static and moving meshes is proposed.
- Second order temporal-accuracy of the proposed non-iterative PISO-algorithm on static and moving meshes is demonstrated.

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