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An efficient method for the

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incompressible Navier-Stokes equations on irregular domains with no-

slip boundary conditions, high order up to the boundary

David Shirokoff, Rodolfo Ruben Rosales

(Submitted on 16 Nov 2010)

Common efficient schemes for the incompressible Navier-Stokes equations, such as projection or fractional step methods, have limited temporal accuracy

as a
result of
matrix
splitting