

# A-posteriori Estimates for the Rotational Pressure-Correction Projection Method

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A-posteriori error estimates for time discretization by the two-step backward differential formula method (BDF2) of the incompressible Stokes equations by pressure-correction methods in rotational form are presented. Moreover, rate optimality of the estimators are shown for velocity. Computational experiments confirm the theoretical results. A short introduction into projection schemes are given and the main tools for the a-posteriori analysis are presented.

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