Universidade do Estado do Rio de Janeiro

Title of the paper

August 11, 2015

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1 Introduction

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2 Methodology

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Figure 1 has the width of 40% of text width.

Some citations: (Chorin, 1968) Guermond et al. (2006); Guermond and Shen (2003) (Munz et al., 2003; Thomadakis and Leschziner, 1996)

3 Results

A simple equation:

$$\Delta = \sum_{i=1}^{N} w_i (x_i - \bar{x})^2. \tag{1}$$

An in-line equation: $x = 0$.

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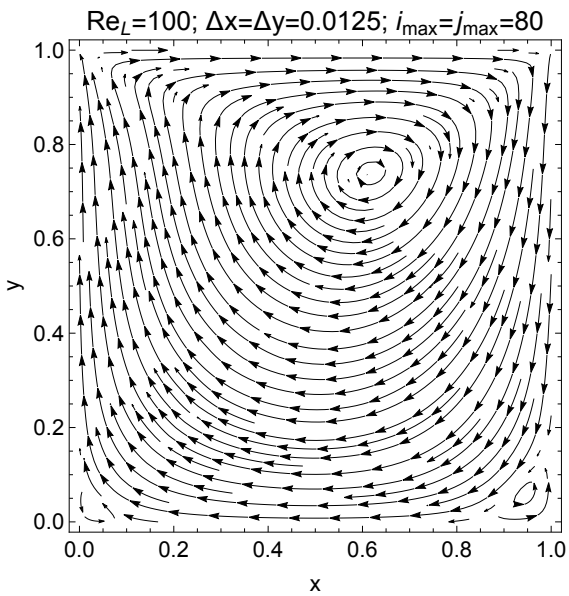

Figure 1: Stream Lines

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4 Conclusion

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References

A. J. Chorin. Numerical solution of the Navier-Stokes equations. *Mathematics of Computation*, 22:745–762, 1968.

J. L. Guermond, P. Minev, and J. Shen. An overview of projection methods for incompressible flows. *Comput. Methods Appl. Mech. Engrg.*, 195:6011–6045, 2006.

J. L. Guermond and J. Shen. Velocity-correction projection methods for incompressible flows. *SIAM Journal on Numerical Analysis*, 41(1):112–134, 2003.

C. D. Munz, S. Roller, R. Klein, and K. J. Geratz. The extension of incompressible flow solvers to the weakly compressible regime. *Computers & Fluids*, 32(2):173–196, February 2003.

M. Thomadakis and M. Leschziner. A pressure-correction method for the solution of incompressible viscous flows on unstructured grids. *International Journal for Numerical Methods in Fluids*, 22(7):581–601, April 1996.