

Paper Title ... “Arial, 12points, bold”

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LENGTH OF THE PAPER MAX 10 PAGES**

## Abstract

**Keywords:** “Arial, 10 points, bold” Keyword, keyword, keyword, “Arial, 10 points”

## I. Introduction “Arial, 10 points, bold”

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text by [Zovatto and Pedrizzetti \(2001\)](#).

## **II. Experimental Facility**

## ***II.1. Setup“Arial, 10 points, Italic, bold”***

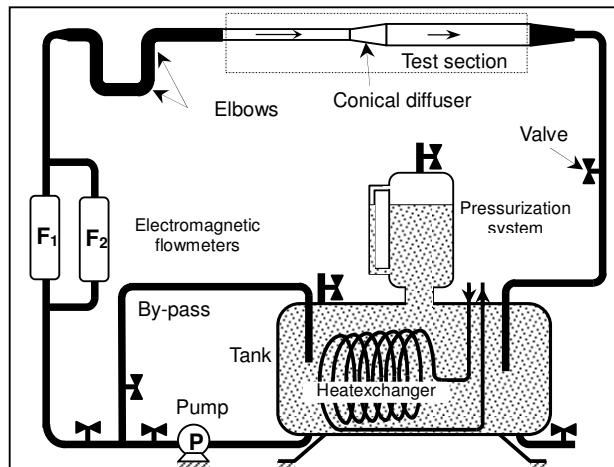


Fig. 1: "Arial, 9 points, Centered, and graph aligned on the text" Experimental installation

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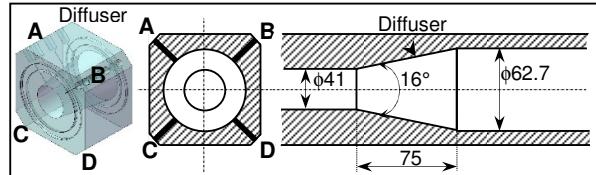


Fig. 2: “Arial, 9 points, Centered, and graph aligned on the text” Sketch of text text text text.

## ***II.2. Measurements “Arial, 10 points, Italic, bold”***

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### **III. Numerical scheme “Arial, 10 points, bold”**

$$\frac{dg}{dt} = \frac{\partial g}{\partial t} + \text{grad}(g) \cdot \vec{V} \quad (1)$$

$$\text{and} \quad \frac{d\bar{T}}{dt} = \frac{d\bar{T}}{dt} + (\vec{V} \cdot \vec{n}) \cdot \overline{\text{grad}}(\bar{T}) \quad (2)$$

#### **IV. Results and discussions**

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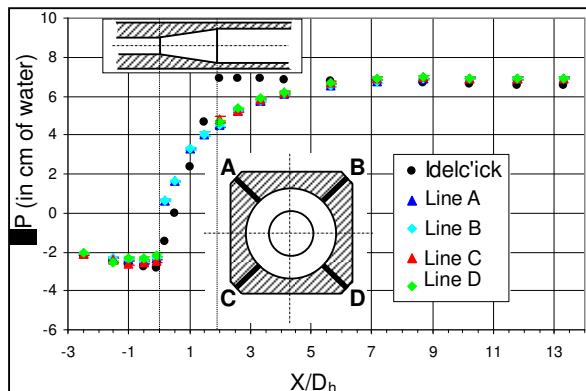


Fig. 3:“Arial, 9 points, centered, and graph aligned on the text”Example text text text text text text text text text text

Tab. 1: "Arial, 9 points, centered, and table aligned on the text" Example text text text text text text text text text

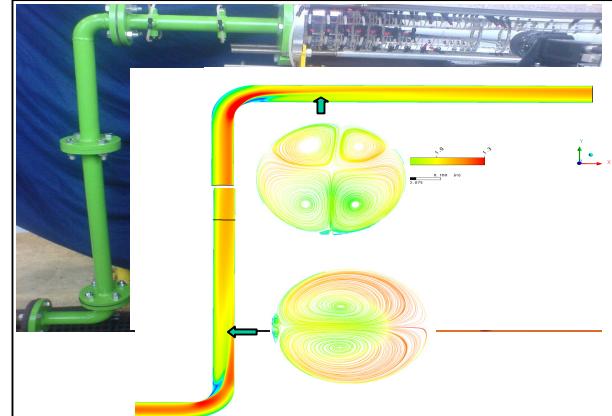


Fig. 4: "Arial, 9 points, centered, and graph aligned on the text" Numerical simulation of text text text text text text text

Text text text text text text text text text text text text text text text text text by [Zovatto and Pedrizzetti \(2001\)](#). Text by [Escriva \(1999\)](#). Text by [Graftieaux et al. \(2001\)](#).

Tab. 2: "Arial, 9 points, centered, and table aligned on the text" Example text text text text text text text text text

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Text	1	2	3	4

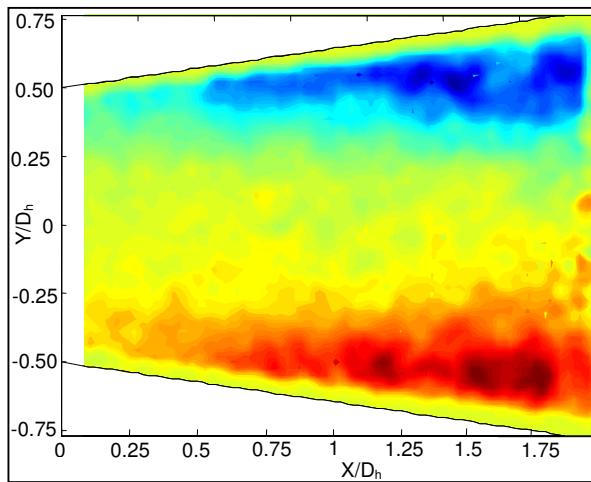


Fig. 5: "Arial, 9 points, centered, and graph aligned on the text" Experimental evolution of text text text text text text

## **V. Conclusions**

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## Acknowledgements “Arial, 10 points, bold”

**“Arial, 10 points”** This research was supported by the text text, the Laboratory text text of the University of text, and the text text. These supports are gratefully acknowledged text text.

## Nomenclature “Arial, 10 points, bold”

$g$	: Gravitational constant (m.s <sup>-1</sup> )
$p$	: Pressure (N.m <sup>-2</sup> )
Greek letters	
$\Phi$	: Heat transfer coefficient (W.m <sup>-2</sup> )
$\mu$	: Viscosity (Pa.s)
Superscripts	
$*$	: Dimensionless
$\overline{\dots}$	: Temporal average
Subscripts	
max	: Maximum
turb	: Turbulent
enr	: Energy

## References “Arial, 10 points, bold”

**“Arial, 9 points, alphabetic order of names (fist author)”**  
Carte G., Dusek J., Fraunié P., A spectral time discretization  
for flows with dominant periodicity, Journal of Computational  
Physiscs, 120, 171-183, (1995).

Coutanceau M., Bouard R., Experimental determination of the main features of the viscous flow in the wake of a cylinder in uniform translation, Part 1: Steady flow, Journal of Fluid Mechanics, 79, 231-256 (1977).

Escriva X., Étude dynamique et thermique des transferts pariétaux instationnaires : Application à l'interaction tourbillon couche limite, PhD. Thesis, Université Paul Sabatier, France (1999).

Graftieaux L., Michard M., Grosjean N., Combining PIV, POD and vortex identification algorithms for the study of unsteady turbulent swirling flows, Measurements and Science Technology, 1422-1429 (2001).

Guerrouache M.S., Étude numérique de l'instabilité de Bénard-Kármán derrière un cylindre fixe ou en mouvement périodique, Dynamique de l'écoulement et advection chaotique, Ph.D. Thesis, Université de Nantes (2000).

Natarajan N.M., Lakshmanan S.M., Laminar flow in rectangular ducts: prediction of velocity profiles and friction factor, Indian Journal of Technology, 435-438 (1972).

Sahin M., Owens R.G., A numerical investigation of wall effects up to high blockage ratios on two-dimensional flow past a confined circular cylinder. Physics of Fluids 16, 1305-1320 (2004).

Williamson C.H.K., Defining a universal and continuous

Strouhal-Reynolds number relationship for the laminar vortex shedding of a circular cylinder at low Reynolds number, *Phys. Fluids*, 31, 2742-2752 (1989).

Yang Y., Shehata A., Modi V. , West A. C., Mass transfer to a channel wall downstream of a cylinder, *Int. J. Heat Mass Trans.*, 40, 4263-4271 (1997).