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On the Relationships Among Strouhal Number, Pressure Drag, and Separation Pressure for Blocked Bluff-Body Flow

W. W. H. Yeung

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doi:10.1115/1.4000575.

A. Regev and S. Hassid

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On the Streamwise Development of Density Jumps

Research Papers: Flows in Complex
Systems

A Method to Generate Propulsor Side Forces

Stephen A. Huyer, Amanda Dropkin, James Dick and David Beal

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Eng. 2010;132(2):021101-
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Computational Investigation of a Race Car Wing With Vortex

Generators in Ground Effect

Yuichi Kuya, Kenji Takeda and Xin Zhang

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Comparison of Experiments and Simulation of Joule Heating in

ac Electrokinetic Chips

Stuart J. Williams, Pramod Chamrathy and Steven T. Wereley

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Wave Propagation in Thin- Walled Aortic Analogues

C. G. Giannopapa, J. M. B. Kroot, A. S. Tijsseling, M. C. M. Rutten and F. N. van de Vosse

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Large Eddy Simulation of Turbulent Axial Flow Along an

Array of Rods

F. Abbasian, S. D. Yu and J. Cao

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A Single-Stage Centripetal Pump—Design Features and an

Investigation of the Operating Characteristics

Mihael Sekavčnik, Tine Gantar and Mitja Mori

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Research Papers: Multiphase Flows

Experimental Study of a

Cavitating Centrifugal Pump During Fast Startups

S. Duplaa, O. Coutier-Delgosha, A. Dazin, O. Roussette, G. Bois and G. Caignaert

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Computational and Experimental Studies on Cavity

Filling Process by Cold Gas Dynamic Spray

Hidemasa Takana, HongYang Li, Kazuhiro Ogawa, Tsunemoto Kuriyagawa and Hideya Nishiyama

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Thermodynamic Effect on a Cavitating Inducer—Part I:

Geometrical Similarity of Leading Edge Cavities and Cavitation Instabilities

Jean-Pierre Franc, Guillaume Boitel, Michel Riondet, Éric Janson, Pierre Ramina and Claude Rebattet

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Thermodynamic Effect on a Cavitating Inducer—Part II: On-

Board Measurements of Temperature Depression Within Leading Edge Cavities

Jean-Pierre Franc, Guillaume Boitel, Michel Riondet, Éric Janson, Pierre Ramina and Claude Rebattet

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An Experimental Investigation for Bubble Rising in Non-

Newtonian Fluids and Empirical Correlation of Drag Coefficient

Fan Wenyan, Ma Youguang, Jiang Shaokun, Yang Ke and Li Huaizhi

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