



Workshop on Fluids and PDE II Instituto de Matemática – UFRJ August 13-15, 2008

We certify that **Anne Bronzi (IMECC-Unicamp)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Computational visualization of Shnirelman's compactly supported weak solution".

Rio de Janeiro, August 15, 2008

Ricardo M. S. Rosa Organizing Committee

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Workshop on Fluids and PDE II Instituto de Matemática - UFRJ August 13-15, 2008

We certify that **Atila Silva Freire (Coppe-UFRJ)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008, and presented a talk entitled "The asymptotic structure of turbulent separating flows over smooth and rough wal".

Rio de Janeiro, August 15, 2008

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Workshop on Fluids and PDE II Instituto de Matemática - UFRJ August 13-15, 2008

We certify that Clodoaldo Ragazzo (IME-USP) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Hydrodynamic interaction between rigid bodies".

Rio de Janeiro, August 15, 2008

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We certify that **Dragos Iftimie (Univ. Lyon 1)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008, and presented a talk entitled "On vortex sheets on exterior domains and the Kelvin circulation theorem".

Rio de Janeiro, August 15, 2008

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Workshop on Fluids and PDE II Instituto de Matemática - UFRJ August 13-15, 2008

We certify that Flávio Dickstein (IM-UFRJ) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Chaotic behavior of solutions of the Navier-Stokes sytem in R<sup>N</sup>".

Rio de Janeiro, August 15, 2008

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We certify that **Gabriela Planas (IMECC-Unicamp)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008, and presented a talk entitled **"Asymptotic behaviour for the Navier-Stokes equations with delays terms".** 

Rio de Janeiro, August 15, 2008

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Workshop on Fluids and PDE II Instituto de Matemática – UFRJ August 13-15, 2008

We certify that **Helena Nussenzveig Lopes (IMECC-Unicamp)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Transport of interfaces with surface tension by 2D viscous flows".

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We certify that **Hermano Frid (IMPA)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Vanishing viscosity with short wave long wave interactions for systems of conservation laws".

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We certify that Jair Koiller (FGV-RJ) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Vortices on surfaces".

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We certify that Juan Bautista Villa Wanderley (Coppe-UFRJ) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "A numerical investigation of vortex induced vibration on an elastically mounted rigid cylinder".

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We certify that Juliana Precioso (UNESP) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Consistency of the relaxed solutions with the solutions of the Euler equations".

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We certify that Luca Moriconi (IF-UFRJ) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "A Minimalist turbulent boundary layer model".

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We certify that Marcello Faraco de Medeiros (USP-São Carlos) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Interaction of instability waves and roughness to produce transition in boundary layers".

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We certify that Marcelo Santos (IMECC-Unicamp) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Application of the monotone iterative method for a combustion problem in a porous medium".

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We certify that Max Souza (IM-UFF) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Quasi-cylindrical flows and vortex breakdown".

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We certify that Michael Jolly (Indiana University) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Sharp estimates for turbulent flow".

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We certify that **Peter Constantin (U. Chicago)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008, and presented a talk entitled "**Corpora and Complex Fluids**".

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We certify that Milton Lopes (IMECC-Unicamp) participated in the Workshop on Fluids and PDE II, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008, and presented a talk entitled "Incompressible flows with small viscosity on large domains".

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We certify that Valentina Busuioc (Univ. St. Etienne) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008, and presented a talk entitled "On large time behavior for the alpha Navier-Stokes equations".

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We certify that **Zoran Grujic (U. Virginia)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008, and presented a talk entitled "On localization and geometric depletion of vortex-stretching in the 3D NSE".

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We certify that **Patricia Hilario Tacuri (UFF)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008.

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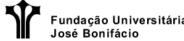
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We certify that Christian Manuel Surco Chuño (UFF) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008.

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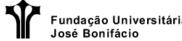
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We certify that Claudia Veronica Salas Magaño (UFF) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008.

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We certify that **Daniel Kiss (UFF)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008.

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We certify that **Cecília Mondaini (UFRJ)** participated in the **Workshop on Fluids and PDE II**, held at the **Universidade Federal do Rio de Janeiro**, Brazil, from August 13 to 15, 2008.

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We certify that Maria Natividad Zegarra Garay (UFRJ) participated in the Workshop on Fluids and PDE II, held at the Universidade Federal do Rio de Janeiro, Brazil, from August 13 to 15, 2008.

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