



CERTIFICATE

celebrating Carlos Humes Jr.'s 70th birthday

XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Abel Soares Siqueira, Universidade Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“Numerical Experience with a Class of Trust-Region Algorithms for Unconstrained Smooth Optimization”**.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

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We hereby certify that, **Alexey F. Izmailov, Moscow State University**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**A Globally Convergent LP-Newton Method**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Clovis Gonzaga, Universidade Federal de Santa Catarina**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **"TBA"**.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, ***Damián Fernández***, **Universidad Nacional de Córdoba**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Parameter Estimation for a Tumor Invasion PDE Model**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Elizabeth Wegner Karas**, **Universidade Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Algebraic Rules for Computing the Regularization Parameter of the Levenberg-Marquardt Method**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Felipe Ignacio Lara Obrequé**, **Universidad de Concepción**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Generalized Asymptotic Functions in Generalized Convexity Theory**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Francisco Nogueira Calmon Sobral**, **Universidade Estadual de Maringá**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**An OTR Derivative-free Augmented Lagrangian algorithm for constrained problems**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Gabriel Haeser**, Instituto de Matemática e Estatística da USP, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**On the Global Convergence of Nonlinear Optimization Algorithms Under Weak Assumptions**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Geovani Nunes Grapiglia, Universidade Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“On the Worst-Case Complexity of Projected Gradient Methods for Convex Constrained Multiobjective Optimization”**.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Glaydston de Carvalho Bento**, **Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**An Approach to the Proximal Point Method on Riemannian Manifolds**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Jan-J. Rückmann, University of Bergen**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“On Proper Efficiency in Multiobjective Semi-Infinite Optimization”**.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Jefferson Divino Gonçalves de Melo**, **Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“A Projection-Free Accelerated Method for Convex Optimization”**.

Manaus, May 27th, 2016.

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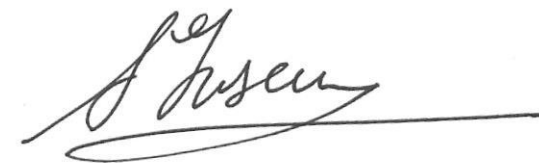
XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **João Carlos de Oliveira Souza**, Programa de Engenharia de Sistemas e Computação, Coppe/UFRJ, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“A New Approach for Convergence of the Proximal Point Method for Locally Lipschitz Functions in Multiobjective Optimization”**.

Manaus, May 27th, 2016.



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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **João Xavier da Cruz Neto**, **Universidade Federal do Piauí**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Convex Functions on Complete Riemannian Manifolds**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Joaquim João Alarcão Júdice**, Univ. de Coimbra, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Second Order Cone Eigenvalue Complementarity Problems**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Jose Alberto Ramos Flor**, Instituto Nacional de Matemática Pura e Aplicada, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“Optimality Conditions and Constraint Qualifications for Mathematical Programs with Equilibrium Constraints”**.

Manaus, May 27th, 2016.

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Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Jose Luis Morales, Instituto Tecnológico Autonomo de Mexico**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**On the Design and Implementation of SQP Methods for Large-Scale Nonlinear Optimization**”.

Manaus, May 27th, 2016.

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Manaus, Amazonas, Brazil

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We hereby certify that, **José Yunier Bello Cruz**, **Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“A Relaxed-Projection Splitting Algorithm for solving nonsmooth Variational Inequalities”**.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Leandro da Fonseca Prudente**, **Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**On the Global Convergence of the Inexact Semi-Smooth Newton Method for Absolute Value Equation**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Lucas Eduardo Azevedo Simões**, IMECC, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Gradient Sampling Methods for Unconstrained Non-Smooth Minimization Problems**”.

Manaus, May 27th, 2016.

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Manaus, Amazonas, Brazil

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We hereby certify that, **Luis Felipe Cesar da Rocha Bueno**, **Universidade Federal de São Paulo**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Sequential Equality-constrained Optimization for Nonlinear Programming**”.

Manaus, May 27th, 2016.

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We hereby certify that, **Luis Mauricio Graña Drummond**, **Universidade Federal do Rio de Janeiro**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“On the Choice of Special Pareto Points”**.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

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We hereby certify that, **Mael Sachine**, **Universidade Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Global Convergence of a Derivative-Free Inexact Restoration Filter Algorithm for Nonlinear Programming**”.

Manaus, May 27th, 2016.

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We hereby certify that, ***Marcia Helena Costa Fampa***, **Universidade Federal do Rio de Janeiro**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“Generalization of Ellipsoid bounds for Nonconvex Quadratic Integer Problems”**.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, ***Maria Daniela Sanchez***, **Universidad Nac. de la Plata**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“A Second Order Convergence Augmented Lagrangian Method Using Nonquadratic Penalty Functions”**.

Manaus, May 27th, 2016.

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We hereby certify that, **Max Leandro Nobre Gonçalves**, **Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**A Newton Conditional Gradient Method for Constrained Nonlinear Systems**”.

Manaus, May 27th, 2016.

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May 22nd to 27th, 2016

We hereby certify that, **Miguel Angel Dumett Canales**, **San Diego State University-Csrc**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work:
“Compressed Sensing for Kirchhoff Migration”.

Manaus, May 27th, 2016.

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We hereby certify that, **Mitsuhiro Fukuda, Tokyo Institute of Technology**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“A Comparative Study of Steepest Descent Methods for Strongly Convex Quadratic Functions”**.

Manaus, May 27th, 2016.

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We hereby certify that, **Nadia Soledad Fazzio**, **Universidad Nac. de la Plata**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“Convergence Analysis of an Augmented Lagrangian Method for Multiobjective optimization problems”**.

Manaus, May 27th, 2016.

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Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Orizon Pereira Ferreira, Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“On the Kantorovich's Theorem for Newton's Method for Solving Strongly Regular Generalized Equation”**.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

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We hereby certify that, ***Paulo José da Silva e Silva***, IMECC, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Strict Constraint Qualifications and Sequential Optimality Conditions for Constrained Optimization**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

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We hereby certify that, **Paulo Sérgio Marques dos Santos**, Universidade Federal do Piauí, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**An Extragradient Method for Equilibrium Problems on Hadamard Manifolds**”.

Manaus, May 27th, 2016.

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We hereby certify that, **Pedro Antônio Soares Júnior**, Universidade Estadual do Piauí, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work:
“Maximal Monotonicity of Bifunctions on Hadamard Manifolds”.

Manaus, May 27th, 2016.

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We hereby certify that, **Roberto Andreani, IMECC**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“Newton's method may fail to recognize proximity to optimal points in constrained optimization”**.

Manaus, May 27th, 2016.

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We hereby certify that, **Ronaldo Lopes, IMECC**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“A Block-Coordinate Descent Method with Identification of Active Constraints for Huge-Scale Optimization”**.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Rosiane de Freitas Rodrigues**, **Universidade Federal do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“On Special Vertex Coloring Models in Graphs Using Distance Geometry”**.

Manaus, May 27th, 2016.

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We hereby certify that, **Sandra Augusta Santos, IMECC**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“On the Solution Of Linearly Constrained Minimization Problems with Noisy Objective Function”**.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

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We hereby certify that, **Sissy da Silva Souza**, **Universidade Federal do Piauí**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**A Relaxed Projection Method for Solving Multiobjective Optimization Problems**”.

Manaus, May 27th, 2016.

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XI Brazilian Workshop on Continuous Optimization

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We hereby certify that, **Susana Scheimberg de Makler**, Programa de Engenharia de Sistemas e Computação, Coppe/UFRJ, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: **“A Modified Projection Algorithm for Constrained Equilibrium Problems”**.

Manaus, May 27th, 2016.

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We hereby certify that, **Wellington Luis de Oliveira**, Universidade do Estado do Rio de Janeiro, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Scenario Reduction via Quadratic Process Distances Applied to Hydrothermal Scheduling Problems**”.

Manaus, May 27th, 2016.

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We hereby certify that, **Wilfredo Sosa Sandoval**, **Universidade Catolica de Brasilia**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Arrow-Debreu Condition from Optimization Theory**”.

Manaus, May 27th, 2016.

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We hereby certify that, **Yuan Jin Yun, Universidade Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday held at Manaus, Amazonas, from May 22 to 27, 2016 and presented the following work: “**Complexidade de Pior Caso do Método de NSC**”.

Manaus, May 27th, 2016.

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