

/IECC/Unicamp – November 25-29, 2024 Campinas/SP – Brazil <u>http://www.ime.unicamp.br/~mat80/</u>

Certificate

We hereby certify that **Douglas Coates** presented the talk entitled *Natural measures and statistical properties for non-statistical dynamical systems* at the XIII Workshop on Dynamical Systems (MAT80) - *Celebrating the 80th birthday of Marco Antonio Teixeira*, held at Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil, from November 25th to November 29th, 2024.

Ricardo Miranda Martíns On behalf of the Organizing Committee

XIII Workshop on Dynamical Systems Celebrating the 80th birthday of Marco Antonio Teixeira

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Certificate

We hereby certify that **Diego Samuel Rodrigues** presented the talk entitled Accessing the Pharmacokinetics of Magnetic Nanoparticles in Cirrhosis-Associated Hepatocarcinogenesis by Ordinary Differential Equation Modeling and AC Biosusceptometry at the XIII Workshop on Dynamical Systems (MAT80) - Celebrating the 80th birthday of Marco Antonio Teixeira, held at Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil, from November 25th to November 29th, 2024.

Ricardo Miranda Martíns On behalf of the Organizing Committee



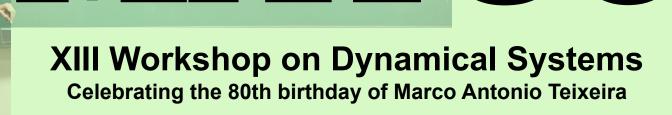
We hereby certify that **Otávio Marçal Leandro Gomide** presented the talk entitled *An overview of polycycles in Filippov Systems* at the XIII Workshop on Dynamical Systems (MAT80) - *Celebrating the 80th birthday of Marco Antonio Teixeira*, held at Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil, from November 25th to November 29th, 2024.

Ricardo Miranda Martíns On behalf of the Organizing Committee



We hereby certify that **Francisco Braun** presented the talk entitled *Surjectivity of vector fields x injectivity of maps* at the XIII Workshop on Dynamical Systems (MAT80) - *Celebrating the 80th birthday of Marco Antonio Teixeira*, held at Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil, from November 25th to November 29th, 2024.

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We hereby certify that **Gabriel Alexis Rondón Vielma** presented the talk entitled *Lower Bounds for the Number of Limit Cycles in Piecewise Polynomial Holomorphic Systems* at the XIII Workshop on Dynamical Systems (MAT80) -*Celebrating the 80th birthday of Marco Antonio Teixeira*, held at Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil, from November 25th to November 29th, 2024.

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We hereby certify that **Kamila da Silva Andrade** presented the talk entitled *Bifurcation of a boundary hyperbolic singularity in* \mathbb{R}^3 at the XIII Workshop on Dynamical Systems (MAT80) - *Celebrating the 80th birthday of Marco Antonio Teixeira*, held at Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil, from November 25th to November 29th, 2024.

Ricardo Miranda Martíns On behalf of the Organizing Committee



We hereby certify that **Claudio Pessoa** presented the talk entitled *Nilpotent centers on center manifolds like limits of Hopf centers* at the XIII Workshop on Dynamical Systems (MAT80) - *Celebrating the 80th birthday of Marco Antonio Teixeira*, held at Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil, from November 25th to November 29th, 2024.

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We hereby certify that **Regilene Delazari dos Santos Oliveira** presented the talk entitled *Topological equivalence at infinity of some planar vector fields and its principal part via Newton polytope* at the XIII Workshop on Dynamical Systems (MAT80) - *Celebrating the 80th birthday of Marco Antonio Teixeira*, held at Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil, from November 25th to November 29th, 2024.

Ricardo Miranda Martíns On behalf of the Organizing Committee



We hereby certify that **Sônia Pinto de Carvalho** presented the talk entitled *Optical Billiards* at the XIII Workshop on Dynamical Systems (MAT80) - *Celebrating the 80th birthday of Marco Antonio Teixeira*, held at Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil, from November 25th to November 29th, 2024.

Ricardo Miranda Martíns On behalf of the Organizing Committee



We hereby certify that **Luis Fernando Mello** presented the talk entitled *Planar current fields* at the XIII Workshop on Dynamical Systems (MAT80) - *Celebrating the 80th birthday of Marco Antonio Teixeira*, held at Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil, from November 25th

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