

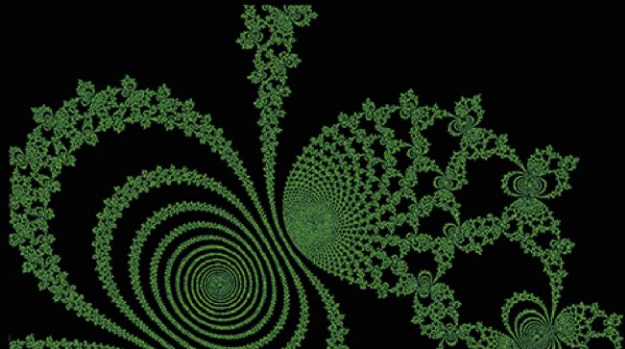
CERTIFICATE

COMPLEX DYNAMICS IN THE TROPICS

We hereby certify that Adam Epstein, University Of Warwick, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk Near-Parabolic Phenomena in Parameter Dimension 2.



Luna Lomonaco
Coordinator



Organizer:



Support:



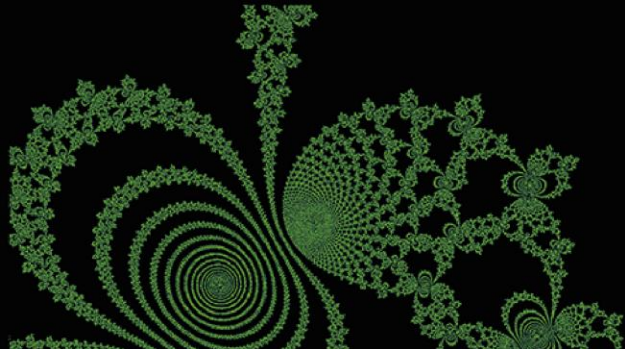
CERTIFICATE

COMPLEX DYNAMICS IN THE TROPICS

We hereby certify that Andre Salles de Carvalho, Universidade de São Paulo (USP), attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk Structures on 2- and 3-manifolds coming from dynamical systems.



Luna Lomonaco
Coordinator



Organizer:



Support:



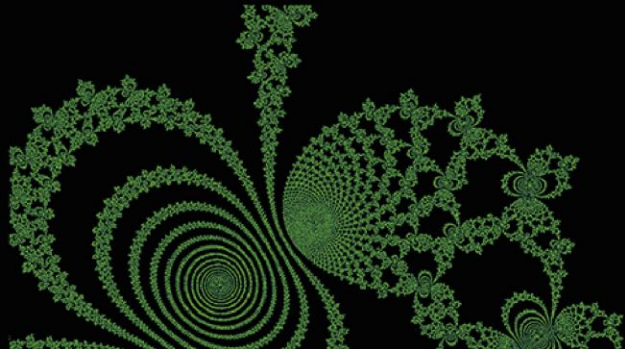
CERTIFICATE

We hereby certify that Anna Miriam Benini, Université Degli Studi Di Parma, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Bifurcations in families of meromorphic maps*.

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Luna Lomonaco
Coordinator



Organizer:



Support:



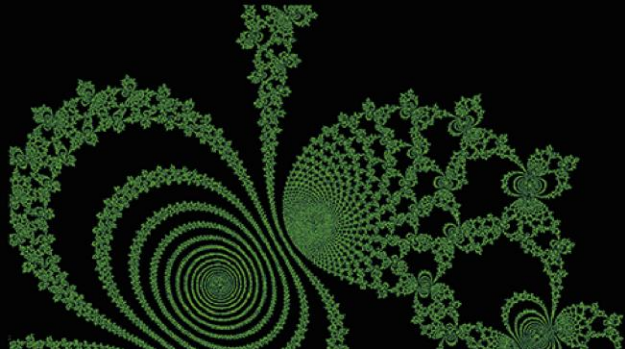
CERTIFICATE

COMPLEX DYNAMICS IN THE TROPICS

We hereby certify that Araceli Bonifant, Univ. Of Rhode Island, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *The Rabbit Escape Regions*.



Luna Lomonaco
Coordinator



Organizer:



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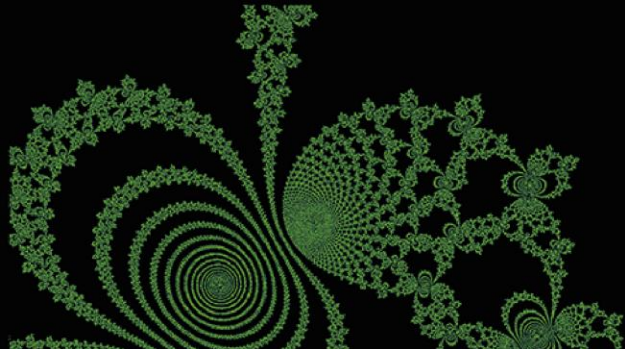
CERTIFICATE

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We hereby certify that Daniel Smania Brandão, Universidade de São Paulo - São Carlos, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Deformations of one-dimensional maps*.



Luna Lomonaco
Coordinator



Organizer:



Support:



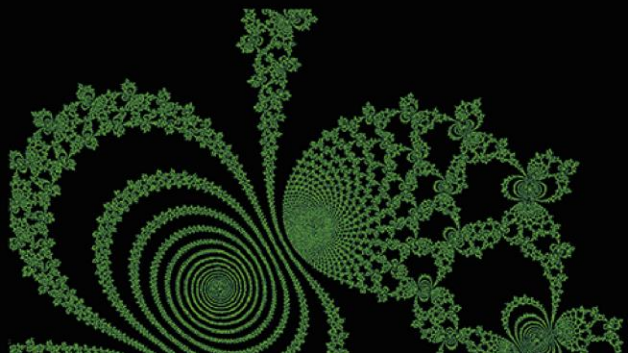
CERTIFICATE

COMPLEX DYNAMICS IN THE TROPICS

We hereby certify that Davoud Cheraghi, Imperial College London, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Local analytic centralisers in holomorphic dynamics*.



Luna Lomonaco
Coordinator



Organizer:



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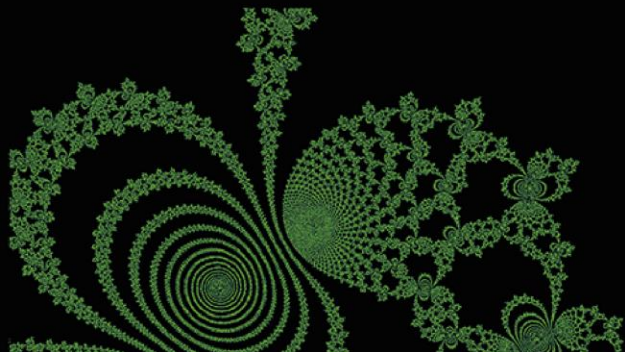
CERTIFICATE

We hereby certify that Dzmitry Dudko, State University of New York At Stony Brook, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk Near-neutral Renormalization and its applications in Complex Dynamics.

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Luna Lomonaco
Coordinator



Organizer:



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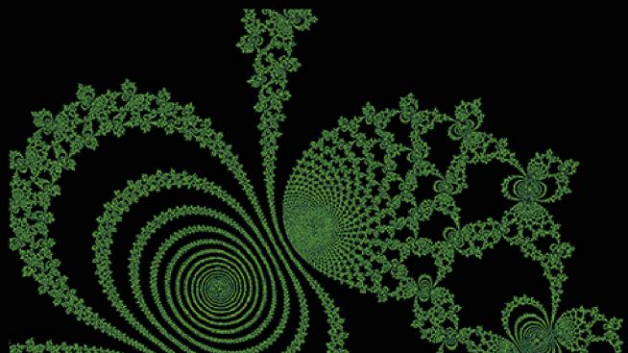
CERTIFICATE

We hereby certify that Hiroyuki Inou, Kyoto University, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Tuning and quasiconformal surgery*.

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Luna Lomonaco
Coordinator



Organizer:



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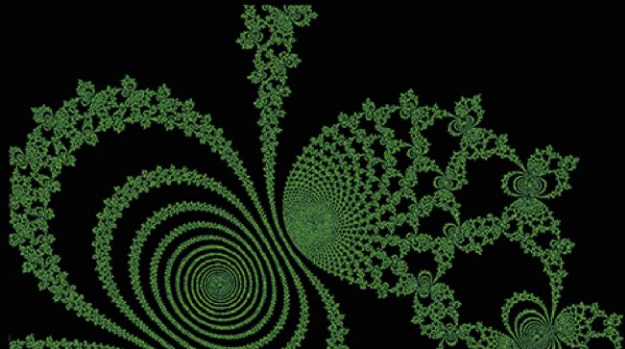
CERTIFICATE

We hereby certify that John Milnor, State University Of New York At Stony Brook, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *The Rabbit Escape Regions*.

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Luna Lomonaco
Coordinator



Organizer:



Support:



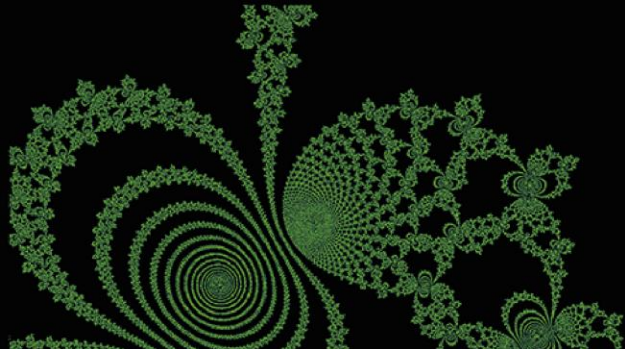
CERTIFICATE

We hereby certify that Juan Rivera-Letelier, Universidade Catolica Do Norte - Antofagasta, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Nice quasidisks and prime orbit counting*.

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Luna Lomonaco
Coordinator



Organizer:



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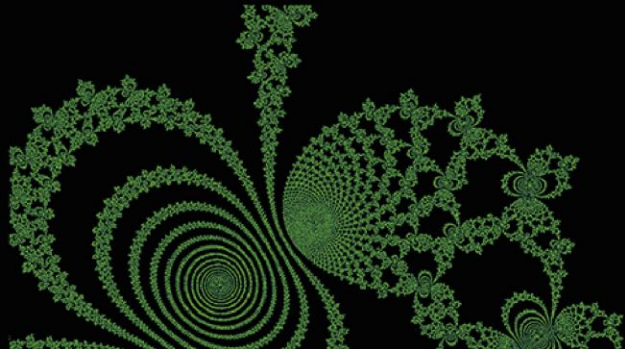
CERTIFICATE

We hereby certify that Lasse Rempe, The University Of Liverpool, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *A counterexample to Eremenko's conjecture.*

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Organizer:



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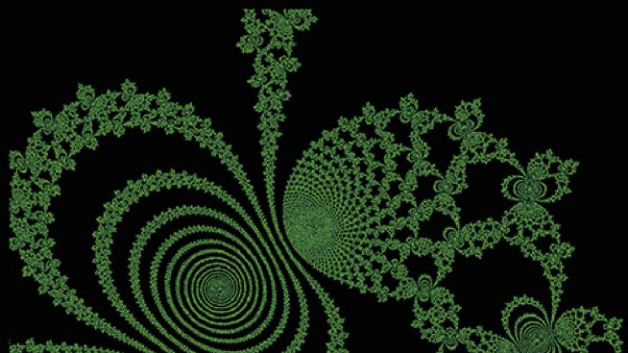
CERTIFICATE

We hereby certify that Laura Demarco, Harvard University, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Lattès maps and bifurcations*.

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Coordinator



Organizer:



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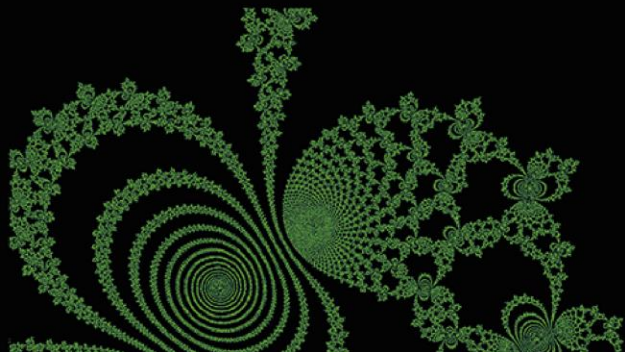
CERTIFICATE

We hereby certify that Michael Yampolsky, University Of Toronto, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Renormalization hyperbolicity and rigidity for analytic homeomorphisms of the circle*.

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Luna Lomonaco
Coordinator



Organizer:



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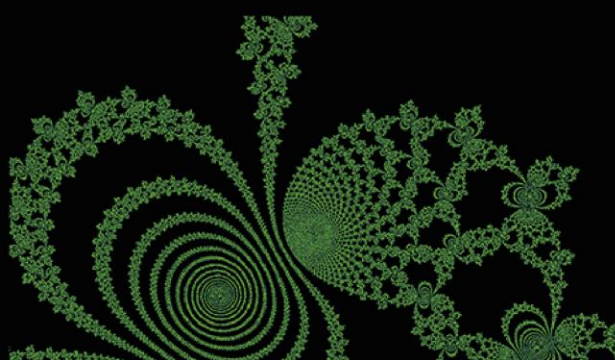
CERTIFICATE

We hereby certify that Mikhail Lyubich, State University of New York At Stony Brook, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Mirrors of Conformal Dynamics: Julia sets, Kleinian groups, Schwarz reflections, and algebraic correspondences.*

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Luna Lomonaco
Coordinator



Organizer:



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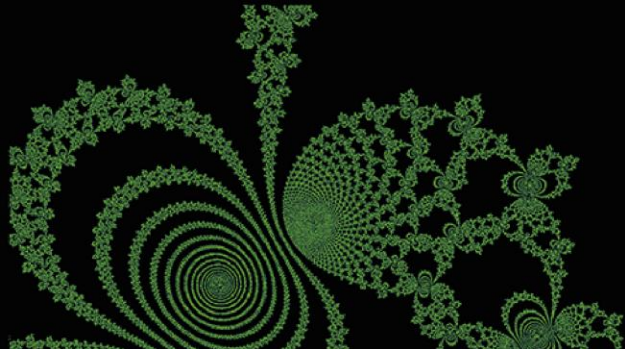
CERTIFICATE

We hereby certify that Mitsuhiro Shishikura, Kyoto University, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Tropical complex dynamics*.

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Luna Lomonaco
Coordinator



Organizer:



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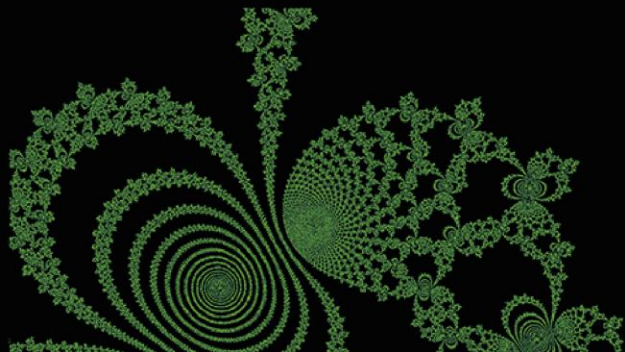
CERTIFICATE

We hereby certify that Nuria Fagella, Universitat De Barcelona, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Boundary dynamics for holomorphic sequences, non-autonomous dynamical systems and wandering domains*.

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Luna Lomonaco
Coordinator



Organizer:



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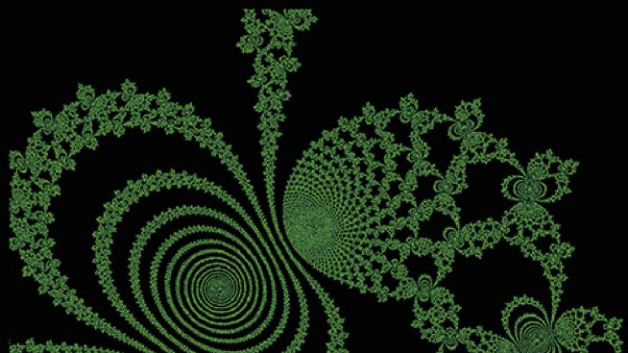
CERTIFICATE

COMPLEX
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We hereby certify that Raluca Tanase, Inst. Of Mathematics Of The Romanian Academy, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *On partial hyperbolicity in the Hénon family.*



Luna Lomonaco
Coordinator



Organizer:



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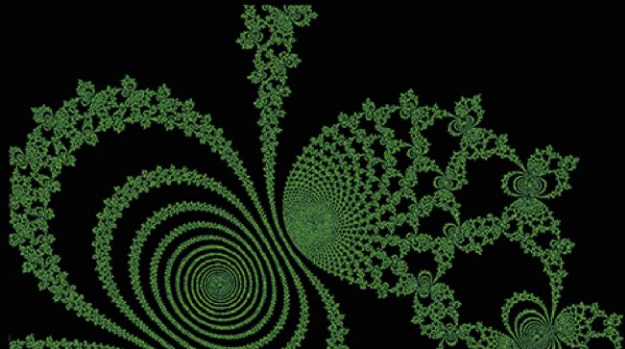
CERTIFICATE

COMPLEX DYNAMICS IN THE TROPICS

We hereby certify that Sabyasachi Mukherjee, Tata Institute Of Fundamental Research, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Dynamics of algebraic correspondences and mating phenomena.*



Luna Lomonaco
Coordinator



Organizer:



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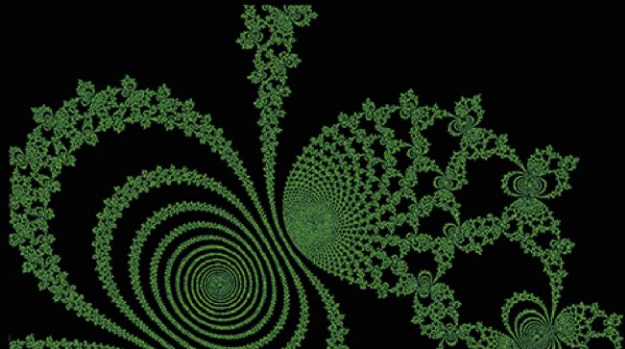
CERTIFICATE

COMPLEX DYNAMICS IN THE TROPICS

We hereby certify that Saeed Zakeri, City University Of New York, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Near-parabolic points and Hausdorff limits of external rays*.



Luna Lomonaco
Coordinator



Organizer:



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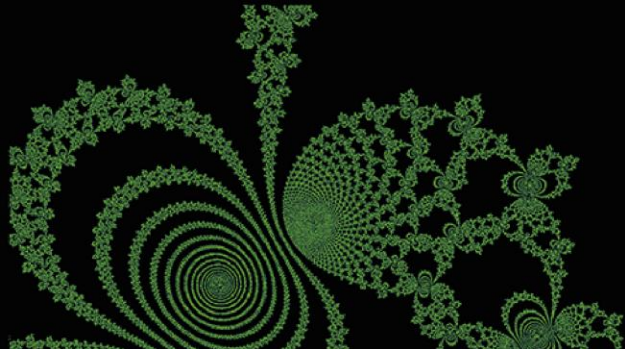
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COMPLEX DYNAMICS IN THE TROPICS

We hereby certify that Shaun Bullett, Queen Mary, University Of London, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Holomorphic correspondences, matings, and Klein's combination theorem.*



Luna Lomonaco
Coordinator



Organizer:



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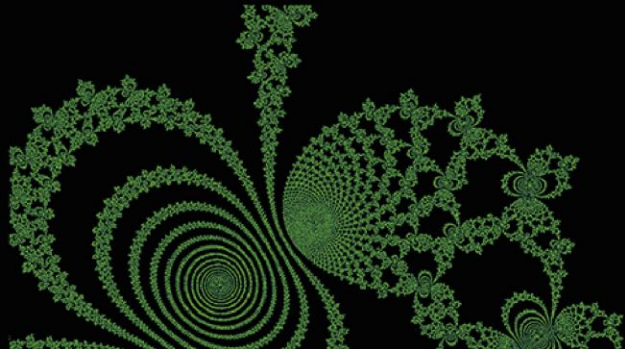
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COMPLEX DYNAMICS IN THE TROPICS

We hereby certify that Tanya Firsova, Kansas State University, attended the event Complex Dynamics in the tropics, Celebrating the 60th birthday of Carsten Lunde Petersen, held at IMPA, Rio de Janeiro, Brazil, from November 27 to December 3, 2022, presenting the talk *Critical Locus for Complex Henon maps*.



Luna Lomonaco
Coordinator



Organizer:



Support:

