

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Alex Massarenti** - **Universidade Federal Fluminense**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**On Mori chamber and stable base locus decompositions**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Andreas Gross - Colorado State University**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**Tropical Jacobians, Theta Divisors, and the Poincaré Formula**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Daniel Joseph Corey** - **Yale University**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**Initial degenerations of Grassmannians**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Dave Jensen** - **University of Kentucky**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**The Kodaira Dimensions of Moduli Spaces of Curves**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, ***Diane Maclagan*** - **University of Warwick**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**An update on tropical schemes**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Ethan Cotterill** - **Universidade Federal Fluminense**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**Real inflection points of real linear series on real (hyper)elliptic curves**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Felipe Rincon** - **Oslo University**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**Chern-Schwartz-MacPherson cycles of matroids**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Hannah Markwig** - **Universität Tübingen**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**Tropical Quartics and Curves of Genus 3**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Jeffrey Giansiracusa - Swansea University**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**Tropical ideals**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Kalina Mincheva - Yale University**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**The Picard group of a tropical toric scheme**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Kristin Shaw** - **Oslo University**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**Bounding Betti numbers of patchworked real hypersurfaces by Hodge numbers**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Lothar Goettsche** - International Center for Theoretical and Physics, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**Refined tropical curve counting**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Marco Pacini - Universidade Federal Fluminense**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**The skeleton of the Esteves’ universal Jacobian and the universal Abel map**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Martin Ulirsch** - **University of Michigan**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**From algebraic to tropical divisors (and back again)**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee

Tropical Geometry and Moduli Spaces

Cabo Frio, Rio de Janeiro, Brazil
August 13 - 17, 2018

CERTIFICATE

We hereby certify that, **Yoav Len** - **University of Waterloo**, participated in the Workshop Tropical Geometry and Moduli Spaces, held at Hotel La Plage, Cabo Frio, Rio de Janeiro from August 13 – 17, 2018 and presented the following plenary talk: “**Tropical dual varieties**”.

Rio de Janeiro, August 17th, 2018



Oliver Lorscheid
Organizing Committee