

# Arithmetic of Modular Forms and Elliptic Curves

January 3<sup>rd</sup> to 14<sup>th</sup>, 2011

IMPA, Rio de Janeiro, Brazil

## CERTIFICATE

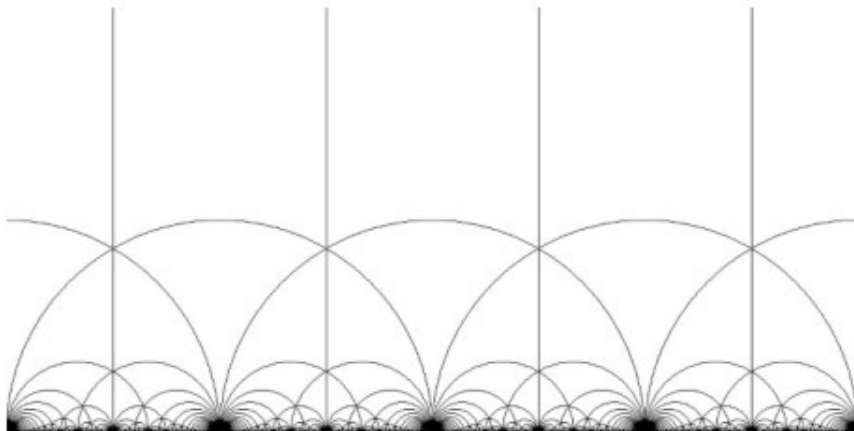
We hereby certify that, *Amilcar Pacheco*, Universidade Federal do Rio de Janeiro, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work:

*"Rational points on abelian varieties in pro- $p$  towers of function fields"*

Rio de Janeiro, January 14, 2011.



Hossein Movasati  
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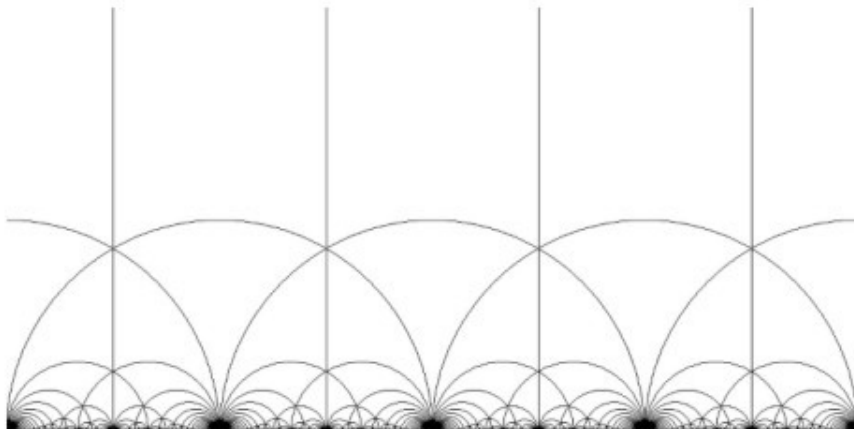
# CERTIFICATE

We hereby certify that, *Ariel Pacetti*, **Universidad de Buenos Aires**, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work: "*How to compute the local type of a modular form.*"

Rio de Janeiro, January 14, 2011.



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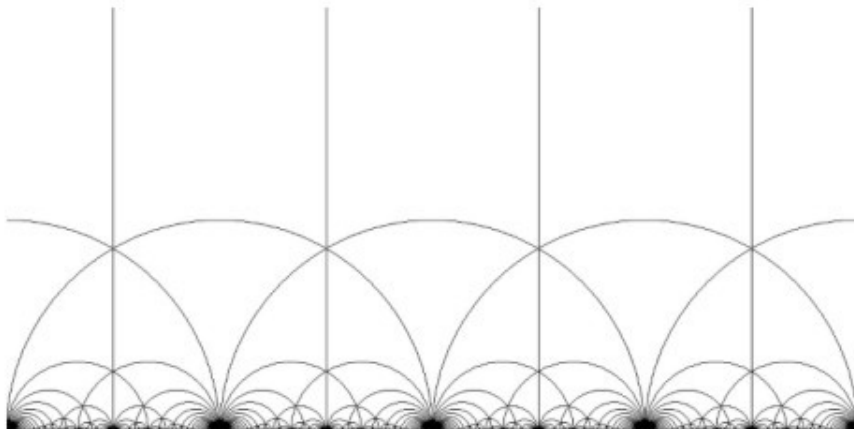
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We hereby certify that, *Cecilia Salgado*, *Université Paris VII - Jussieu*, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work: "*Comparing generic and special ranks on elliptic surfaces*"

Rio de Janeiro, January 14, 2011.



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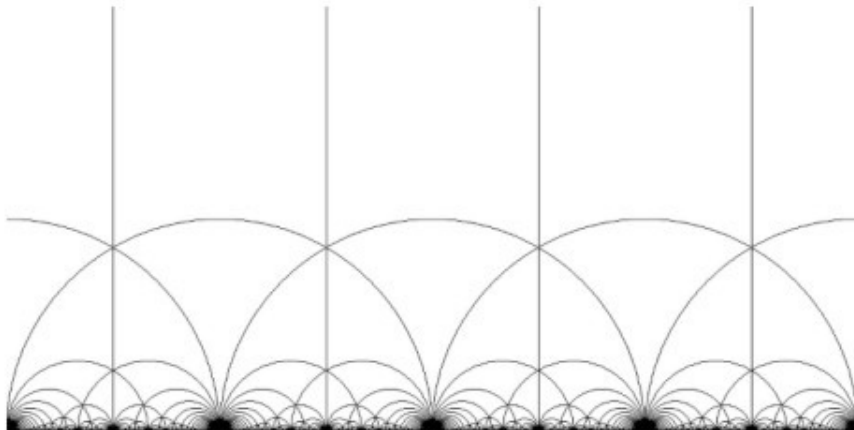
We hereby certify that, *Hossein Movasati*, Instituto de Matematica Pura e Aplicada, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work:

*"Geometric interpretation of quasi-modular forms"*

Rio de Janeiro, January 14, 2011.



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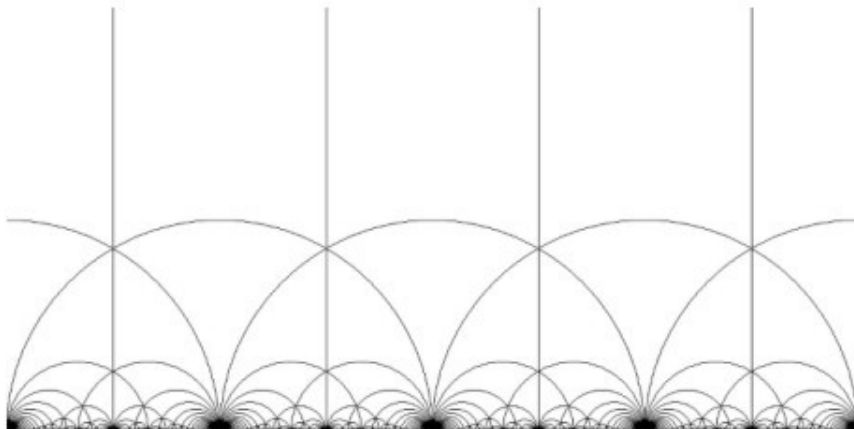
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We hereby certify that, *Luis Victor Dieulefait*, *Universitat de Barcelona*, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work: "*Modular Forms and Serre's conjectures*"

Rio de Janeiro, January 14, 2011.



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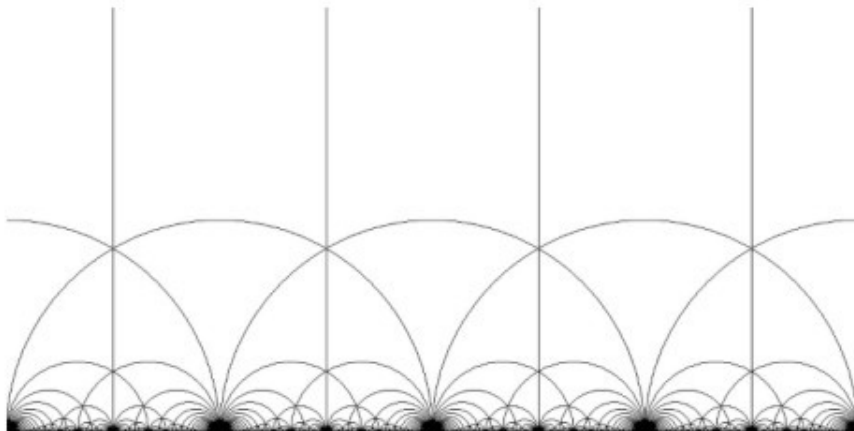
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We hereby certify that, *Martín Mereb*, Universidad de Buenos Aires, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work: "*On the  $E$ -polynomials of a family of Character Varieties*"

Rio de Janeiro, January 14, 2011.



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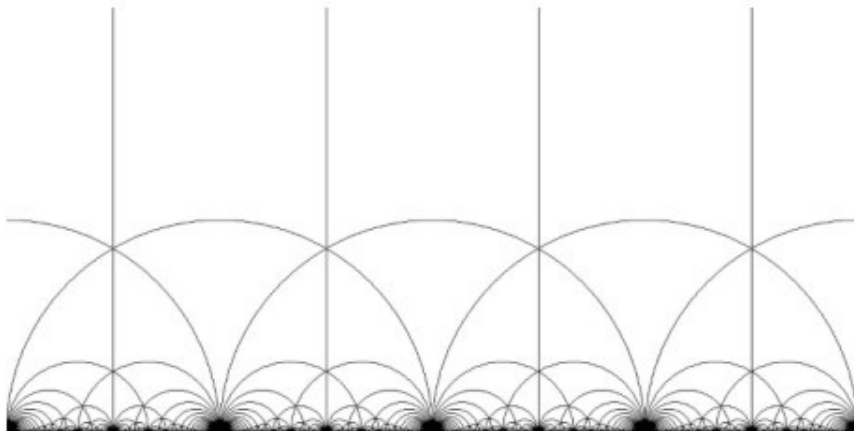
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We hereby certify that, *Matija Kazalicki*, Kasdi Merbah University of Ouargla, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work: "*The Arithmetic of modular forms associated to Fermat curves*"

Rio de Janeiro, January 14, 2011.



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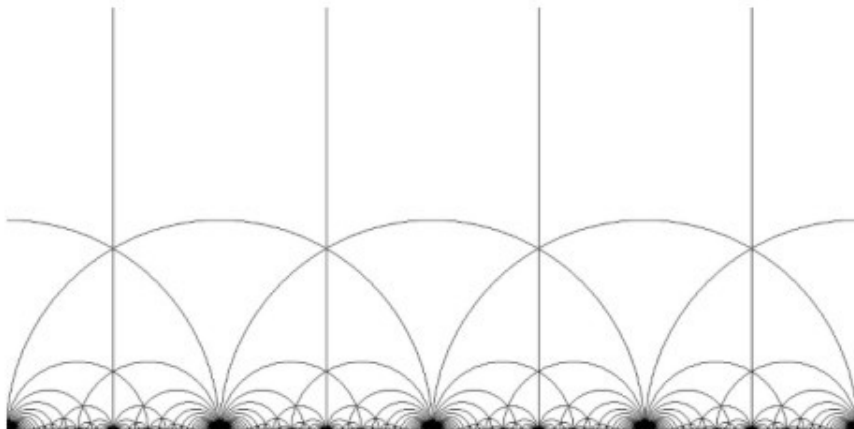
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We hereby certify that, *Nikolaos Diamantis*, University of Nottingham, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work: "*Higher-order automorphic forms*"

Rio de Janeiro, January 14, 2011.



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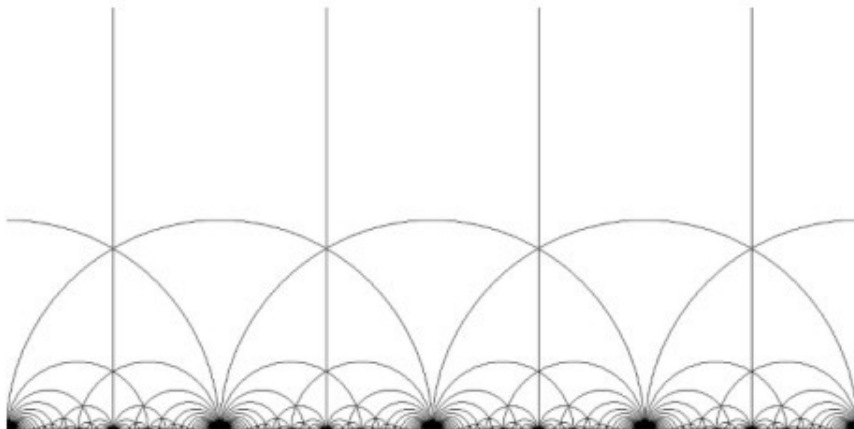
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We hereby certify that, *Oliver Lorscheid*, University of Wuppertal, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work: "*Toroidal automorphic forms and the Riemann hypothesis*"

Rio de Janeiro, January 14, 2011.



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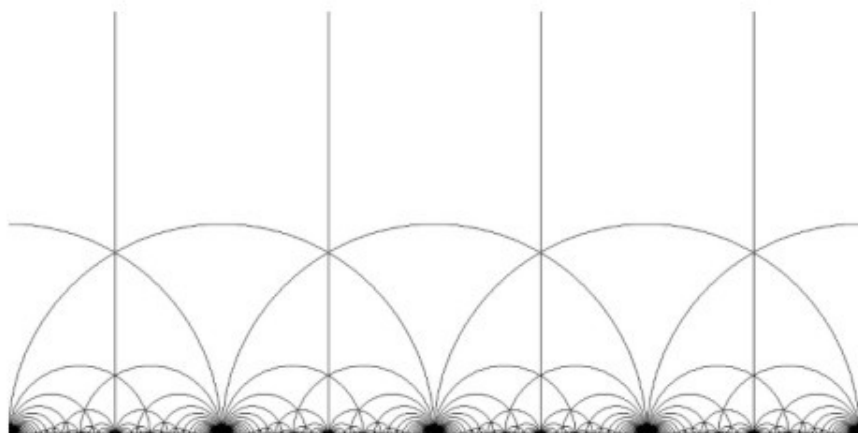
We hereby certify that, *Roberto Jorge Miatello*, Universidad Nacional de Córdoba, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work:

*"Eigenvalues of Hecke operators on Hilbert modular groups"*

Rio de Janeiro, January 14, 2011.



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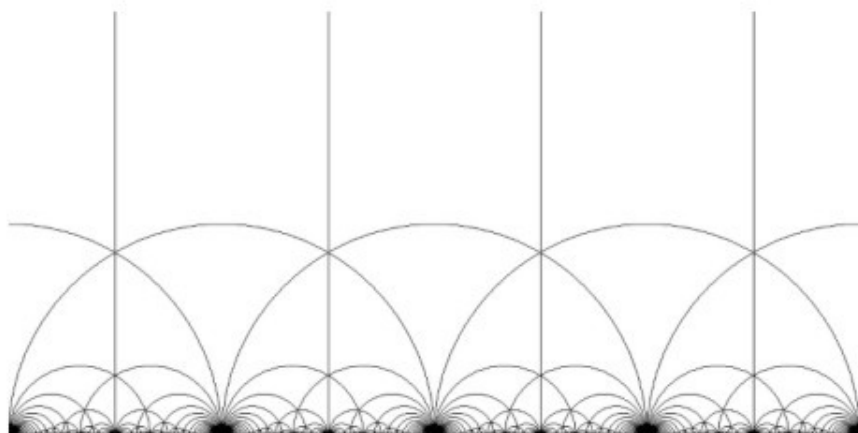
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We hereby certify that, *Tim Dokchitser*, University of Cambridge, participated in the Arithmetic of Modular Forms and Elliptic Curves, held at IMPA, Rio de Janeiro - RJ, from January 03 to 14, 2011 and presented the following work: "*L-functions of elliptic curves*"

Rio de Janeiro, January 14, 2011.



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