



The Abdus Salam  
**International Centre  
for Theoretical Physics**



# AGRA V - School on Arithmetic, Groups and Analysis

## DESCRIPTION:

The AGRA series of summer schools (Santiago de Chile, 2012; Cusco, 2015; Córdoba, 2018; Rio de Janeiro, part I online in 2021 and part II physically in 2022) has as its goal to foster the development of number theory in Latin America: it provides a formative experience for young researchers, and it also helps bring together more senior or mid-career mathematicians working in the field. It has been our tradition to have all courses and associated discussions in Spanish or Portuguese, in part so as to make all activities accessible to all students in Latin America, regardless of their English proficiency.

## MORE INFORMATION:

The target audience of AGRA includes undergraduate students, graduate students and young researchers with a serious interest in number theory and neighboring fields. This next edition will take place in Popayan, Colombia, featuring a collection of minicourses, followed by tutorials and problem sessions.

## TOPICS:

### Formas modulares p-ádicas

- Michael Harris
- Juan Esteban Rodríguez Camargo

### Curvas algebraicas, superficies de Riemann y estratificaciones de sus espacios de módulos

- Sebastián Reyes-Carocca
- Pietro Speziali
- Elisa Lorenzo García (como coordinadora)

### Semigrupos numéricos, puntos de Weierstrass y aplicaciones

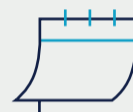
- María Bras-Amorós
- Luciane Quoos
- María Chara (como coordinadora)

### A caballo entre Fourier y lo complejo: zeta, primos y Möbius

- Harald Helfgott
- Adrian Ubis

### Métodos explícitos de Chabauty: un punto de vista computacional a los puntos racionales

- Juanita Duque
- Jerson Caro Reyes
- Cecilia Salgado (como coordinadora)



**27 July - 07 August 2026**



**Universidad del Cauca, Colombia**



**Deadline:  
30 April 2026**

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## FURTHER INFORMATION:

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Female scientists are encouraged to apply.

## GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.



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