

Orthonet

ORTHONET Network

The ORTHONET network brings together researchers focusing on orthogonal polynomials and special functions, exploring their profound connections to fields such as approximation theory, operator theory, number theory, information theory, Fourier series, numerical analysis, integrable systems, and probability. This interdisciplinary approach extends beyond pure mathematics, with applications in mathematical physics, science, and technology. The ORTHONET network receives funding through project RED2022-134580-T, (Ministry of Science, Innovation, and Universities).

ORTHONET School

The school is aimed at young researchers in training in fields related to those covered by the ORTHONET network. It consists of three mini-courses taught by internationally renowned experts. The goal of these mini-courses is to train our students in developing research areas, as well as in advanced and fundamental techniques in the theory of orthogonal polynomials, special functions, and their applications.

V ORTHONET School

Dates: December 16-19, 2024

Venue: Faculty of Physics, Complutense University of Madrid (Seminar Room, Department of Theoretical Physics, 2nd floor)

Lecturers and Courses:

- **María Ángeles García Ferrero:** Exceptional Orthogonal Polynomials and Darboux Transformations
- **Andrei Martínez-Finkelshtein:** Logarithmic Potential Theory
- **Walter Van Assche:** Multiple Orthogonal Polynomials—Theory and Applications

Schedule:

- 09:00 - 11:00: Walter Van Assche
- 11:30 - 13:30: Andrei Martínez-Finkelshtein
- 15:00 - 17:00: María Ángeles García Ferrero
- 17:00 - 18:00: Open problems and ongoing research discussions

Contact

For more information, visit the official event website:

https://www.ucm.es/manuel_manas/orthonet-winter-2024

