



Analysis Seminar

Title: Choquard equation in the half space with Robin boundary condition

Speaker: Marius Ghergu

Date: Tue 22nd September 2026 at 3:00PM

Location: N0.20 - Science North

Abstract: The Choquard equation was introduced by D. R. Hartree in 1928 in relation to the Schrödinger model in quantum physics. Mathematically, it came under closer investigation starting in the mid-1970s. In this talk, I will discuss the Choquard equation in the half-space under a Robin boundary condition. Liouville-type results and optimal conditions for the existence of a classical solution will be presented.

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