Harmonic analysis on nilpotent groups

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Timetable: 16 hrs. First lecture on January 29, 2024, 15:30 (dates already fixed, see on https://dottorato.math.unipd.it/calendar/), Torre Archimede, Room 2BC30.

Course requirements: Functional Analysis, Fourier series and Fourier transform in \(\mathbb{R}^n\)

Examination and grading: Seminar and interview

Aim: Fundamental notions and properties of analysis on Lie groups. Analysis of sublaplacians on nilpotent groups.

Course contents:

Bibliography: Notes to be distributed during the course.