Integral formulas
for fundamental solutions and seminorms

Giulio Tralli

(University of Padova)

In this talk we consider three model heat equations: the classical Euclidean setting, the Heisenberg group, and generic Carnot groups. We focus on known and less known integral formulas for their heat kernels with respect to partial set of variables. As a main application we discuss recent results concerning asymptotics of Besov seminorms.