



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI MATEMATICA

Martedì 29 maggio 2018
ore 11:30

Scuola Normale Superiore
Pisa
Aula Mancini

Michael Röckner

(Bielefeld University)

terrà un seminario dal titolo:

“Quasi-Linear (Stochastic) Partial Differential Equations with Time-Fractional Derivatives”

Abstract:

In this paper we develop a method to solve evolution equations on Gelfand triples with time-fractional derivative based on monotonicity techniques. Applications include deterministic and stochastic quasi-linear partial differential equations with time-fractional derivatives, including time-fractional (stochastic) porous media equations (including the case where the Laplace operator is also fractional) and p-Laplace equations as special cases.

AMS Subject Classification: 60H15, 35K55, 35Q30, 34G20 Keywords: fractional derivative; monotone; pseudo-monotone; porous media equation; p-Laplace equation.

joint work with Wei Liu and José Luís da Silva

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze Matematiche e Naturali