



UC3M-ICMAT Seminar – 2014/2015

Applied Probability and Statistics

Stochastic quantisation of Φ_3^4 via paracontrolled distributions

Massimiliano GUBINELLI
Université Paris Dauphine, Paris, France

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11h30, ICMAT, *Aula Gris I*

In a recent work Martin Hairer provide a rigorous construction of the stochastic dynamics associated to the Euclidean Φ_3^4 quantum field theory introducing a theory of regularity structures. In this talk we review the construction of this singular stochastic dynamics using the methods of paracontrolled distributions recently introduced in a joint work with Perkowski and Imkeller.

Instituto de Ciencias Matemáticas
Campus de Cantoblanco UAM
C/ Nicolás Cabrera 13-15
28049 Madrid, Spain
www.icmat.es