

PREFACE

In the Summer of 2006, an International Conference, satellite of the International Congress of Mathematicians (ICM2006, Madrid), took place in Lisbon and was organized by the Group of Mathematical Physics of the University of Lisbon (GFMUL).

We decided to entitle “Stochastic Analysis in Mathematical Physics” the elaboration of the ideas presented there by some of the participants.

The last ten years were witness to a remarkable penetration of the methods of Stochastic Analysis in all fields of Mathematical Physics. What was regarded by many, not so long ago, as a set of esoteric tools, turned into a fundamental component of our understanding of natural phenomena. The works collected here illustrate the versatility of those stochastic methods and we warmly thank the authors.

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