

Ergodic Theory And Dynamical Systems

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Summary : Free ergodic theory and dynamical systems pdf download - this is the proceedings of the workshop on recent developments in ergodic theory and dynamical systems on march 2011 and march 2012 at the university of north carolina at chapel hill. The articles in this volume cover several aspects of vibrant research in ergodic theory and dynamical systems. It contains contributions to teichmüller dynamics, interval exchange transformations, continued fractions, return times, averages, furstenberg fractals, fractal geometry of non-uniformly hyperbolic horseshoes, convergence along the sequence of squares, adic and horocycle flows, and topological flows. These contributions illustrate the connections between ergodic theory and dynamical systems, number theory, harmonic analysis, probability, and algebra. Two surveys are included which give a nice introduction for interested young or senior researchers to some active research areas. Overall, this volume provides a very useful blend of techniques and methods as well as directions of research on general convergence phenomena in ergodic theory and dynamical systems.

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