
JOSEPH ROSENBLATT, University of Illinois at Urbana–Champaign, Department of Mathematics, Urbana, Illinois 61801
Probabilistic Constructions in Ergodic Theory

The study of weighted ergodic theorems and of special operators in ergodic theory has led to many new insights and advances. While harmonic analysis is often an important tool in this study, probabilistic constructions also play a significant role. Examples of the use of probabilistic constructions in ergodic theory will be described.