



DYNKIN CLASSES AND APPLICATIONS TO DENSITIES IN NUMBER THEORY

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Abstract

The objective of this work is to give and to develop some classical results on the Dynkin and weak Dynkin classes ([N. Daili, Asymptotic densities in number theory, Part I: survey, JP Journal of Algebra, Number Theory and Appl. 5(3) (2005), 513-533], [E. B. Dynkin, Die Grundlagen der Theorie der Markoffschen Prozesse, Berlin, Göttingen, Heidelberg, 1961] and [A. Fuchs and Ph. Nanopoulos, Mesures invariantes par translation, classes de Dynkin, first-digit problem, Advances in Math. 55(1) (1985), 24-74]). Then give applications to the densities in number theory.

Keywords and phrases: Dynkin class, weak Dynkin class, densities, applications.

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