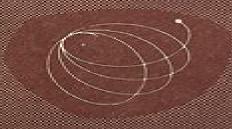
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A. S. Besicovitch

# **Almost Periodic Functions**

R. B. Burckel

#### **Almost Periodic Functions:**

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well as their recent generalizations. Some of the results presented are either new or else cannot be easily found in the mathematical literature Despite the noticeable and rapid progress made on these important topics the only standard references that currently exist on those new classes of functions and their applications are still scattered research articles One of the main objectives of this book is to close that gap The prerequisites for the book is the basic introductory course in real analysis Depending on the background of the student the book may be suitable for a beginning graduate and or advanced undergraduate student Moreover it will be of a great interest to researchers in mathematics as well as in engineering in physics and related areas Further some parts of the book may be used for various graduate and Pseudo Almost Periodic Functions in Banach Spaces Toka Diagana, 2007 undergraduate courses Functions in Abstract Spaces Samuel Zaidman, 1985 This research not presents recent results in the field of almost periodicity The emphasis is on the study of vector valued almost periodic functions and related classes such as asymptotically almost periodic or almost automorphic functions Many examples are given and applications are indicated The first three chapters form a self contained introduction to the study of continuity derivability and integration in locally convex or Banach spaces The remainder of the book is devoted to almost periodicity and related topics The functions are defined on IR IR superscript n or an abstract group the range is a Banach or a Hilbert space Although treatment of the material related to pure mathematics the theory has many applications in the area of abstract differential equations **Almost Automorphic** and Almost Periodic Functions in Abstract Spaces Gaston M. N'Guérékata, 2001-11-30 Almost Automorphic and Almost Periodic Functions in Abstract Spaces introduces and develops the theory of almost automorphic vector valued functions in Bochner's sense and the study of almost periodic functions in a locally convex space in a homogenous and unified manner It also applies the results obtained to study almost automorphic solutions of abstract differential equations expanding the core topics with a plethora of groundbreaking new results and applications For the sake of clarity and to spare the reader unnecessary technical hurdles the concepts are studied using classical methods of functional analysis Integration of Asymptotically Almost Periodic Functions and Weak Asymptotic Almost Periodicity W. M. Ruess, William Hunley Summers, 1989 Almost Automorphic and Almost Periodic Functions in Abstract Spaces Gaston M. N'Guerekata, 2014-01-15 **Almost Periodic Differential Equations** A.M. Fink, 2006-11-15 Almost periodic functions C. Corduneanu, N. Gheorghiu, V. Barbu, 1968 Metrical Almost Periodicity and Applications to **Integro-Differential Equations** Marko Kostić, 2023-06-06 The theory of almost periodic functions is a very active field of research for scholars This research monograph analyzes various classes of multi dimensional metrically almost periodic type functions with values in complex Banach spaces We provide many applications of our theoretical results to the abstract Volterra integro differential inclusions in Banach spaces **Almost Periodic Oscillations and Waves** Constantin Corduneanu, 2009-04-29 This text is well designed with respect to the exposition from the preliminary to the more advanced

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