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designed for engineering graduate students this book connects basic mathematics to a variety of methods used in engineering problems

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this is the fifth conference in a bi annual series following conferences in besancon limoges irsee and toronto the meeting aims to bring together different strands of research in and closely related to the area of iwasawa theory during the week before the conference in a kind of summer school a series of preparatory lectures for young mathematicians was provided as an introduction to iwasawa theory iwasawa theory is a modern and powerful branch of number theory and can be traced back to the japanese mathematician kenkichi iwasawa who introduced the systematic study of \mathbb{Z}_p extensions and p adic L functions concentrating on the case of ideal class groups later this would be generalized to elliptic curves over the last few decades considerable progress has been made in automorphic iwasawa theory e g the proof of the main conjecture for GL_2 by kato and skinner urban techniques such as hida s theory of p adic modular forms and big galois representations play a crucial part also a noncommutative iwasawa theory of arbitrary p adic lie extensions has been developed this volume aims to present a snapshot of the state of art of iwasawa theory as of 2012 in particular it offers an introduction to iwasawa theory based on a preparatory course by chris wuthrich and a survey of the proof of skinner urban based on a lecture course by xin wan

upon publication the first edition of the concise encyclopedia of mathematics received overwhelming accolades for its unparalleled scope readability and utility it soon took its place among the top selling books in the history of chapman hall crc and its popularity continues unabated yet also unabated has been the d

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