

1. Record Nr.	UNINA9910458027103321
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Titolo	Lectures on profinite topics in group theory // Benjamin Klopsch, Nikolay Nikolov, Christopher Voll ; edited by Dan Segal [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2011
ISBN	1-107-22127-7 1-139-23507-9 1-283-29857-0 1-139-12334-3 9786613298577 0-511-79383-9 1-139-11759-9 1-139-12825-6 1-139-11323-2 1-139-11542-1
Descrizione fisica	1 online resource (ix, 147 pages) : digital, PDF file(s)
Collana	London Mathematical Society student texts ; ; 77
Disciplina	512/.2
Soggetti	Profinite groups Group theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	An introduction to compact p-adic Lie groups / Benjamin Klopsch -- Strong approximation methods / Nikolay Nikolov -- A newcomer's guide to zeta functions of groups and rings / Christopher Voll.
Sommario/riassunto	In this book, three authors introduce readers to strong approximation methods, analytic pro-p groups and zeta functions of groups. Each chapter illustrates connections between infinite group theory, number theory and Lie theory. The first introduces the theory of compact p-adic Lie groups. The second explains how methods from linear algebraic groups can be utilised to study the finite images of linear groups. The final chapter provides an overview of zeta functions associated to groups and rings. Derived from an LMS/EPSRC Short

Course for graduate students, this book provides a concise introduction to a very active research area and assumes less prior knowledge than existing monographs or original research articles. Accessible to beginning graduate students in group theory, it will also appeal to researchers interested in infinite group theory and its interface with Lie theory and number theory.
