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Titolo	Notes on infinite permutation groups. // M. Bhattacharjee [and three others]
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ISBN	3-540-49813-3
Edizione	[1st ed. 1998.]
Descrizione fisica	1 online resource (XIV, 206 p.)
Collana	Lecture Notes in Mathematics ; ; 1698
Classificazione	20B07
Disciplina	512.2
Soggetti	Mathematics Group theory Permutation groups
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Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Some group theory -- Groups acting on sets -- Transitivity -- Primitivity -- Suborbits and orbitals -- More about symmetric groups -- Linear groups -- Wreath products -- Rational numbers -- Jordan groups -- Examples of Jordan groups -- Relations related to betweenness -- Classification theorems -- Homogeneous structures -- The Hrushovski construction -- Applications and open questions.
Sommario/riassunto	The book, based on a course of lectures by the authors at the Indian Institute of Technology, Guwahati, covers aspects of infinite permutation groups theory and some related model-theoretic constructions. There is basic background in both group theory and the necessary model theory, and the following topics are covered: transitivity and primitivity; symmetric groups and general linear groups; wreath products; automorphism groups of various treelike objects; model-theoretic constructions for building structures with rich automorphism groups, the structure and classification of infinite primitive Jordan groups (surveyed); applications and open problems. With many examples and exercises, the book is intended primarily for a beginning graduate student in group theory.